

KHALILOV, E.G.; BABALYAN, G.A.; KRAVCHENKO, I.I.

Adsorption of non-Ionic surface-active agents by the sands of a
producing formation in the Apsheron Peninsula. Izv.AN Azerb.SSR
Ser.geol.-geog.nauk no.1:73-79 '65.

(MIRA 18:8)

KRAVCHENKO, I. K.

BARER, G.O.; BELETSKIY, V.Ya.; VORONKOV, P.I.; DEMIDOV, P.G.; DZYADZIO, A.M.;
DOMBROVSKIY, G.D.; ZOLOTAREV, S.M.; KRAVCHENKO, I.K.; PLATONOV, P.N.;
PATCHENKO, A.V.; UGOLIK, N.F.

V. IA. Girshson. Muk.-elev. prom. 23 no.4:23 Ap '57. (MLRA 10:5)
(Girshson, Vasilii Iakovlevich, 1880-1957)

KRAVCHENKO, I.K.

KRAVCHENKO, I.K., inzh.

Rapid method for determining rated characteristics of plastic soils.
Stroi. prom. 36 no.1:32-35 Ja '58. (MIRA 11:1)
(Soil mechanics)

KRAUCHENKO, I. K.

14(10); 3(5) PHASE I BOOK EXPLOITATION! SOV/28*3

Sovetskaniye po razbital'nym sposobam fundamentostroyeniya na tekhnicheskoy grunte

Tredy... (Transactions of the Conference on Efficient Methods of Building Foundations on Permafrost Soils) Moscow, Gosstroyizdat, 1959. 131 p. Errata slip inserted. 1,200 copies printed.

Ed. of Publishing House: E. M. Borshchevskaya; Tech. Ed.: Ye. L. Tsvetina.

FRONTIS: This book is intended for construction engineers, industrial planners and builders.

COVERAGE: This book contains reports originally read in Vorkuta in 1958 on experience gained in planning and building foundations in permafrost regions of the USSR. The reports were prepared for publication in the NIIOBP (Scientific Research Institute for the Study of Foundations and Underground Structures). The introduction was written by Professor V. G. Bulychev. No references are given.

REMARKS: Construction Conditions and the Exploitation of Mining Enterprises in the Fchersk Coal Basin

Zhil'tsov, A. I. Construction of Industrial Plants on Permanently Frozen Ground With Subsequent Settling 56

Martin, K. F. Designing Pile Foundations Under Permafrost Conditions 58

Fehelintsev, A. M. Special Characteristics of Foundation Building in the City of Izarka 64

Bakalov, S. A., and V. M. Yodolazkin. Methods of Restoring the Deformed Principal Buildings in Vorkuta 67

Kogarkov, K. Ya. Analysis of Work and Computing the Reinforced Concrete Frame Foundations and Frame Works, Taking Into Account Uneven Settling of the Bearing Ground 75

Kegrov, V. M., and V. M. Sokolova. New Data on Frost Heaving of Foundations 100

Shchelokov, V. K. Decreasing the Depth of Foundation Laying by Keeping the Ground in a Frozen State 109

Krauchenko, I. K. Frost Heaving of Ground and Foundations (discussion) 113

Chakotillo, A. M. Non-Soviet Experience in Building Foundations on Permanently Frozen Ground 119

Furkhatov, D. V. Maximum Thawing of Perennially Frozen Ground Under Heated Buildings (two-dimensional solution) 124

Berkov, I. K. Settling of the Foundations of Industrial Structures of the Vorkutaugol' Combine 127

AVAILABLE: Library of Congress

Card 4/4

PA/maab
1-13-60

SOV-49-53-6-12/12

AUTHOR: Kravchenko, I. M.

TITLE: In Memoriam - Prof. K. G. Rossbi (Khronika - Pamyati
K. G. Rossbi)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya,
1958, Nr 6, p 800 (USSR)

ABSTRACT: Resumé of the career of this well-known Swedish
scientist, Director of the International Meteorological
Institute, Stockholm University.

1. Scientist--Sweden

Card 1/1

USCOMM-DC-55609

VIL'KOVYSKAYA, G.B.; MURONETS, I.I.; PUCHKOV, S.V., kand.fiz.-mat.nauk;
KRAVCHENKO, I.M., red.; SIMONOVA, A.I., red.; MANOLE, M.G., red.;
KOLESHNIKOVA, A.P., tekhn.red.

[German-Russian geophysical dictionary] Nemetsko-russkii geo-
fizicheskii slovar'. Pod red. I.M.Kravchenko, A.I.Simonova.
Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1959. 409 p. (MIRA 12:5)
(German language--Dictionaries--Russian)
(Geophysics--Dictionaries)

KRAVCHENKO, I.M.

New drugs. Farmatsev. zhur. 18 no.5:83 '63. (MIRA 17:8)

BRAVCHENKO, I.M.; BRUKSELYANS, K.S.

New way of distributing surplus commodities. *Farmatsev. zhur.*
18 no.2:73-74, '63. (MIA 17:10)

1. Glavnoye aptechnoye upravleniye Ministerstva zdoravookhraneniya
USSR.

REYCHENEC. I.M.

New drugs. Farmatsyazhur. 29.01.1964-95 195.

(MIRA 18:10)

S/049/63/000/003/005/005
D218/D307

AUTHOR: Kravchenko, I. M.
TITLE: Wind profile in the ground layer
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya
geofizicheskaya, no. 3, 1963, 498-499

TEXT: The turbulent-energy equation for a horizontally homogeneous air flow in the ground layer in the steady state is used to establish the following expression for the wind profile

$$\frac{\partial \bar{u}}{\partial z} = \frac{u_*}{kz} \left[\frac{\psi(Ri)}{1 - \alpha Ri} \right]^{1/2} \quad (8)$$

where $\alpha = K_h/K_m$; K_m , K_h are the momentum and heat transfer coefficients; Ri is the Richardson number. By using various expansions for $\psi(Ri)$, this expression may be shown to include

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Wind profile in...

S/049/63/000/003/005/005
D218/D307

various formulas for the velocity profile reported by other authors. For example, if it is assumed that

$$\psi(Ri) = 1 + \gamma Ri \quad (9)$$

then

$$\frac{\partial \bar{u}}{\partial z} = \frac{u_*}{kz} \left(1 + \frac{\alpha}{2} Ri \right) \quad (13)$$

ASSOCIATION:

Vsesoyuznyy institut. nauchnoy i tekhnicheskoy informatsii (All Union Institute of Scientific and Technological Information)

SUBMITTED:

September 7, 1962

Card 2/2

KRAVCHENKO, I.M.

News drugs. Farmatsev.zhur. 19 no.1:92-94 '64.

(MIRA 18:5)

KRAVCHENKO, I.N., mashinist ekskavatora

We are raising the tempo of excavating work. Trans. stroi. 13
no.12:38-39 D'63 (MIRA 17:87)

1. Crest Tsentrostroymekhanizatsiya.

KRAVCHENKO, I.P.

Calculating on of the effect of river floods on the flow of underground water considering the infiltration. Vest. Mosk. un. Ser. 4: Geol. 15 no.4:47-56 JI-Ag '60. (MIRA 13:10)

1. Kafedra gidrogeologii Moskovskogo universiteta.
(Water, Underground)

VEVIOROVSKAYA, Mariya Aleksandrovna, dots.; KRAVCHENKO, Irina
Pavlovna, starshiy laborant; RUMYANTSEV, Stanislav
Alekseyevich, laborant; LUK'YANOV, V.S., prof., doktor
tekhn. nauk, red.; KAPUSTINA, V.S., red.; KOZLOVA, T.A.,
tekhn. red.

[V.S.Luk'ianov's method of hydraulic analogies and N.N.
Pavlovskii's method of electrohydrodynamic analogies; ap-
plied to seepage computations]Metod gidravlicheskikh ana-
logii V.S.Luk'ianova i metod elektrogidrodinamicheskikh
analogii N.N.Pavlovskogo; primenitel'no k fil'tratsionnym
raschetam. Moskva, Izd-vo Mosk. univ., 1962. 249 p.

VI. [Nomograms for computing the development of ground
water head and of seepage from channels under conditions of
insteady movement]Nomogrammy dlia raschetov razvitiia podpo-
ra gruntovykh vod i fil'tratsii iz kanalov v usloviakh ne-
ustanovivshegosia dvizheniia. 55 p. (MIRA 16:4)
(Soil percolation)

KRAVCHENKO, I.P.; PLATONOV, G.D.

Mechanizing the charging of grog into a jaw crusher. Ogneupory
29 no.4:186-187 '64. (MIRA 17:4)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat.

KRAVCHENKO, I.P.; PLATONOV, G.D.; BRICHKO, A.I.

Preheaters for presses for the stiff mud process. Ogneupory
30 no.2:47 '65. (MIRA 18:3)

1. Orsko-Khalilovskiy metallurgicheskiy kombinat (for Kravchenko,
Platonov). 2. Magnitogorskiy metallurgicheskiy kombinat (for
Brichko).

KRAVCHENKO, Ivan Sergeyavich [Krauchanka, I.]; ROMANOVSKIY, M. [Ramanouski, M.]; KHADKEVICH, T.

[White Russian Soviet Socialist Republic] Belaruskia Savetsknaia
Satsyialistychnaia respublika. Minsk, Dziar.vyd-va BSSR, 1958.
294 p. (MIRA 13:2)

(White Russia)

KRAVCHENKO, Ivan Sergeyevich; MARCHENKO, Ivan Yegorovich; KAMENSKAYA,
N.V., otv.red.; BOYARSKIY, V.A., red.izd-va; POLYAKOVA, T.V.,
tekhn.red.

[The White Russian S.S.R.] Belorusskaia SSR. Moskva, Izd-vo
Akad.nauk SSSR, 1959. 94 p. (MIRA 12:7)
(White Russia)

KRAVCHENKO, I.S., kand.istor.nauk, red.; MARCHENKO, I.Ye., kand.istor.nauk, red.; SALADKOV, I.I., kand.istor.nauk, red.; BARMICHEV, V., red.izd-va; VOLOKHANOVICH, I., tekhn.red.

[History of the building of socialism in Soviet White Russia]
Iz istorii sotsialisticheskogo stroitel'stva Sovetskoi Belorussii; sbornik statei. Minsk, 1959. 248 p. (MIRA 13:8)

1. Akademiya nauk BSSR, Minsk. Institut istorii.
(White Russia--Economic conditions)

KRAVCHENKO, I.T.

"Methods for Detecting and Measuring Radioactive Radiation" p. 273, in the book Experience in the Use of Radioactive Isotopes in Medicine R. Ye. KAVETSKIY and I.T. SHEVCHENKO, publishing House of the UKRAINIAN SSR, KIEV 1955, represents medical transactions of conference held in KIEV from 18-20 January 1954

So: 1100235

KRAVCHENKO, I.T.

Using thermistors for measuring and regulating temperatures of liquids.
Priborostroenie no.3:15-16 Mr '57. (MLRA 10:5)
(Thermistors)

KRAVCHENKO, I.V.

KACHAN, L.A.; KRAVCHENKO, I.V.; DOBROVOL'SKIY, A.A., redaktor; DMITRIYEV-
SKAYA, M.A., tekhnicheskij redaktor

[Guidebook of the Kiev zoological garden] Kievskii zoopark; pute-
voditel'. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR, 1956. 96 p.

1. Kiyev. Zoopark.

(MLRA 10:4)

(Kiev--Zoological gardens)

KRAVCHENKO, I., (Engr-Col)

Author of article, "The Icing-Up of Aircraft." (Vestnik Vozdushnogo Flota, Moscow,
No 10, Oct 53)

SO: SUM No. 208, 9 Sep 1954

KRAVCHENKO, I.

Subject : USSR/Aeronautics AID - P-54
Card : 1/1
Author : Kravchenko, I., Col., Engineer
Title : On One of the Phenomena of Atmospheric Electricity
Periodical : Vest. vozd. flota 3, 91 - 94, March 1954
Abstract : This is a popular explanation of atmospheric electricity,
and of some small electrical discharges (on metallic
parts of an aircraft) which may occur in flight.
Diagrams.
Institution : None
Submitted : No date

KRAVCHENKO, I., (Engr-Col)

Author of article, "On One of the Phenomena of Atmospheric Electricity," explaining to a reader, Maj K. A. SMOL'NCV*, the meaning of an electrical phenomenon observed by him and his comrades during a flight. (Vestnik Vozhdushnogo Flota, Moscow, No 3, Mar 54)

SO: SUM No. 239, 13 Oct 1954

KRAVCHENKO, I.

Subject : USSR/Aeronautics AID P - 390
Card 1/1. Pub. 135, 4/18
Authors : Kravchenko, I., Col. Eng., and Timofeyev, D., Col. Eng.
Title : Meteorological conditions of high altitude flights
Periodical : Vest. vozd. flota, 8, 20-24, Ag 1954
Abstract : Weather conditions and dependance of flight at various altitudes on weather conditions is analysed by the author. Special features of high altitude flying in various weather conditions are described. Some geographical locations are named. Diagrams.
Institution : None
Submitted : No date

KRAVCHENKO, I.V.; MIRNYI, A.S., podpolkovnik, redaktor; MYASHNIKOVA, T.F.,
tekhnicheskii redaktor.

[Meteorology for the flyer] Letchiku o meteorologii. Moskva, Voen.
izd-vo Ministerstva obor. SSSR, 1955. 122 p. (MLRA 9:5)
(Meteorology in aeronautics)

KRAVCHENKO, I.

Subject : USSR/Aeronautics AID P - 1056
Card 1/1 Pub. 135 - 10/24
Author : Kravchenko, I., Engineer Col.
Title : Visibility during various weather conditions
Periodical : Vest. vozd. flota, 1, 51-56, Ja 1955
Abstract : The author considers, in general terms, the changing vertical and horizontal visibility in various weather conditions, cloud formations, atmospheric fronts, at various altitudes, etc. He gives some numerical data and analyzes causes.
Institution : None
Submitted : No date

Subject : USSR/Aeronautics

AID P - 2246

Card 1/1 Pub. 135 - 10/19

Author : Kravchenko, I., Col. Engineer

Title : Overcoming flight difficulties in stormy regions

Periodical: Vest. vozd. flota, 7, 45-49, J1 1955

Abstract : The author considers flying conditions in storms on the basis of an analysis of a number of reports of flying crews on flights made for various reasons in stormy regions. The data obtained may be of value for flying personnel and for the meteorological service. Diagrams.

Institution: None

Submitted : No date

KRAVCHENKO, I.V.

Subject : USSR/Miscellaneous AID P - 3154
Card 1/1 Pub. 135 - 16/20
Author : Yegin, L.
Title : I. V. Kravchenko, Letchiku o meteorologii (Meteorology for the
pilot). voyenizdat, 1955 (Book Review)
Periodical : Vest. vozd. flota, 10, 83-84, 0 1955
Abstract : This is a review of a book which was written for the flying
personnel of the Soviet Air Force and of the DOSAAF organizations.
It may be also useful to the meteorological personnel cooperating
with the flying personnel.
Institution : None
Submitted : No date

3(7)

PHASE I BOOK EXPLOITATION

SOV/1852

Kravchenko, Ivan Varfolomeyevich

Letchiku o meteorologii (Meteorology for Pilots) 2nd ed., rev. and enl. Moscow, Voenizdat, 1958. 255 p. Number of copies printed not given.

Ed.: K.F. Tresvyatskiy, Lt. Colonel; Tech. Ed.: I.M. Dozhdev.

PURPOSE: The book is intended for military flight personnel, students at DOSAAF aviation schools, members of aeroclubs, and aviation meteorologists. It can also be used advantageously by a wide range of readers interested in the problems of meteorology.

COVERAGE: This textbook on meteorology, the 2nd edition of the work, contains a detailed description of the methods used in studying the atmosphere, its structure and composition, as well as the most important individual meteorological factors and their distribution over the USSR. Chapters dealing with jet currents, thunderstorm phenomena, icing of airplanes and helicopters, have been widely

Card 1/5

Meteorology for Pilots

SOV/1852

expanded. Such problems as the aerial reconnaissance of weather conditions, the evaluation of meteorological conditions before and during the flight, and flight in stormy weather have been given more detailed treatment. No references are given.

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1. Temperature of the air	27
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AUTHOR: Kravchenko, I.V. (Moscow) 26-58-7-20/48
TITLE: Winter Thunderstorms in 1958 (Z. mniye grozy v 1958 godu)
PERIODICAL: Priroda, 1958, Nr 7, pp 89-91 (USSR)
ABSTRACT: Between January and the beginning of March 1958, frequent clashes of warm subtropical and cold arctic air were recorded. On the borders of these air masses cyclonic effects were produced that attained speed of 90 to 100 km/hr over Soviet territory. Such cyclones were recorded over Khar'kov on 9 February and in the Moscow Oblast on 9 and 10 February. The storms had hurricane speeds of 30 to 40 m/sec. The sudden transfer of warm and moist air from the Atlantic Ocean to the European part of the USSR caused many winter thunderstorms that were recorded over various cities. Within the first 3 months of 1958, seven thunderstorm centers were recorded. There is 1 chart and 1 Soviet reference.
1. Meteorology--USSR 2. Cyclones

Card 1/1

KRAVCHENKO, I.V. (Moskva)

Winter and spring thunderstorms. Priroda 50 no. 3:73-75 Mr '61.
(Thunderstorms) (MIRA 14:2)

KRAVCHENKO, I.V. (Moskva)

Black storms. Priroda 50 no.12:67-72 D '61.
(Russia, Southern--Dust storms)

(MIRA 14:12)

PHASE I BOOK EXPLOITATION SOV/6033

Kravchenko, Ivan Varfolomeyevich

Letchiku o meteorologii (Meteorology for Pilots) 3rd ed. rev. and enl. Moscow, Voenizdat, 1962. 313 p. 14,000 copies printed.

Ed.: K. F. Tresvyatskiy, Lieutenant Colonel; Tech. Ed.: T. F. Myasnikova.

PURPOSE: This book is intended for military and civilian pilots and for students of aviation schools; it can also be used by aviation meteorologists as a text-book for training flight personnel.

COVERAGE: The present volume is the third edition of an aviation meteorology handbook revised and enlarged to incorporate the results of recent research work conducted in the USSR and abroad in this field. The effect of meteorological conditions on flight range and altitude, and on flight safety at high altitudes, has been analyzed in great detail. Particular attention is given to

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Meteorology for Pilots

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the influence of pressure, air density and temperature upon the flight conditions. Jet streams and conditions of flight in them over the territory of the USSR are described. The most recent researches on flight safety in thunderstorm zones and under icing conditions are included. Examples of aviation climatological descriptions of air routes and airports are given. Considerable space is devoted to discussion of aerial weather reconnaissance and the evaluation of meteorological conditions before and during flight. Basic principles of forecasting the weather along the flight course and over the airport are outlined, including the use of ground and high-altitude weather maps. A table of synoptic symbols is appended.

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Card 2/4

BARBARINA, T.M.; BUBYR', N.F.; BUTT, L.M.; VEL'SOVSKIY, V.N.;
GORLOV, Yu.P.; GRIBANOVSKIY, V.G.; DROZDOV, I.Ya.;
YEREMIN, I.A.; ZEZH, V.G.; KEVESH, P.D.; KOCHANOV, E.P.;
KOSYREVA, Z.S.; LEVIN, S.N.; MAKHNOVICH, A.T.; MERZLYAK,
A.N.; RODOV, E.S.; ROZINOV, A.I.; SEREBRYANSKAYA, B.I.;
SUKHAREV, M.F.; USTENKO, A.A.; KHOMENKO, Z.S.; SHMIDT,
L.M.; ETIM, A.O.; YAKHONTOVA, N.Ye.; KITAYTSEV, Vladimir
Andreyevich, prof., doktor tekhn. nauk, red.; SKRAMTAYEV,
B.G., glav. red.; TROKHIMOVSKAYA, I.P., zam. glav. red.;
KRAVCHENKO, I.V., red.; KITAYGORODSKIY, I.I., red.;
KRZHEMINSKIY, S.A., red.; KOKHVARGER, Ye.I., red.; HALAT'YEV, P.K.
red.

[Manual on the manufacture of heat insulating and acous-
tical materials] Spravochnik po proizvodstvu teploizo-
liatsionnykh i akusticheskikh materialov. Moskva, Stroi-
izdat, 1964. 524 p. (MIRA 18:1)

CA

20

Effect of calcium sulfate on the process of hydration of the calcium aluminates $\text{CaO} \cdot \text{Al}_2\text{O}_3$ and $3\text{CaO} \cdot \text{Al}_2\text{O}_3$. P. P. Budnikov and I. V. Kravchenko. *Kolloid. Zhur.* 13, 408-11 (1951).—Action of H_2O on $\text{CaO} \cdot \text{Al}_2\text{O}_3$ (I) and $3\text{CaO} \cdot \text{Al}_2\text{O}_3$ (II), both made by melting together Al_2O_3 and CaCO_3 , results at 90° in formation of $2\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 7\text{H}_2\text{O}$ (III) and at 70° in formation of $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 6\text{H}_2\text{O}$ (IV). III forms spherulites, which cause great strength of the cement, whereas IV forms sep. crystals in a matrix of the cement, and thus gives rise to weak cement. The strength of cement setting at high temp. is improved by addn. of CaSO_4 , which induces formation of $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 3\text{CaSO}_4 \cdot 31\text{H}_2\text{O}$ (V) and $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot \text{CaSO}_4 \cdot 12\text{H}_2\text{O}$ (VI). I and II in H_2O give also small amts. of $\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 10\text{H}_2\text{O}$ (VII) and $3\text{CaO} \cdot \text{Al}_2\text{O}_3 \cdot 12\text{H}_2\text{O}$ (VIII), resp. The n_s of these hydrates are: IV 1.605, V 1.464 and 1.460, VI 1.504 and 1.480, VII 1.480, and VIII 1.828 and 1.825. When 3 parts gypsum was shaken with 7 parts I, II, or cement (contg. 65% I), and a large amt. of H_2O , and CaO , Al_2O_3 and SO_3 were detd. in the filtrate from time to time, it was found that the main amt. of gypsum was bound by II within 1 hr., by I within 3 days, and by cement within 7 days. J. J. Bikerman

KRAVCHENKO, I., kandidat tekhnicheskikh nauk; SALOMATINA, Yu., inzhener

Cement for reinforced concrete products made using steam curing.
Stroi.mat. izdel. i konstr. 1 no.4:21-23 Ap'55. (MIRA 8:10)
(Cement)

KRAVCHENKO

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62355

Author: Skramtayev, B., Kravchenko, I.

Institution: None

Title: Expanding Gypsum-Alumina Cement

Original

Periodical: Stroit. materialy, izdeliya i konstruktsii, 1956, No 3, 10-12

Abstract: Description of the results of tests of specimens of gypsum-alumina cement (GAC) up to 5 years old. Strength after 5 years of rigid consistency specimens both tensile and compression are higher than the 3 day old strength ($\sim 340 \text{ kg/cm}^2$) which determines the grade of cement. In contrast with alumina cement strength of GAC is retained at 35-37° almost unchanged for one year. Frost resistance of specimens of plastic consistency of 1:2 composition, by weight, is high (up to 250 cycles) and does not depend on magnitude of linear expansion (0.14-0.37%). Specimens of concrete withstand up to 200 cycles

Card 1/2

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62355

Abstract: of tests. Addition of naphtha soap has detrimental effect on strength of GAC at an early age and has no beneficial effect on frost stability. Expansion of GAC decreases if the gypsum rock contains anhydride. GAC causes no corrosion of reinforcements after 5 years.

Card 2/2

Kravchenko, I. V.

11/22

Expanding, rapid-setting cement. I. V. Kravchenko. U.S.S.R. 104,107, Feb. 23, 1967. Adm. to U.S.S.R. 101, 67a. An expanding, rapid-setting cement is made of a mix of portland cement clinker 50-75, gypsum dihydrate 5-15, and active mineral additive 10-30%. To decrease the cost of this cement and to broaden the choice of raw materials, up to 15% of crude bauxite is incorporated into the mix as substitute for aluminous cement. M. Hasek

KRAVCHENKO I. V.

127-58-1-26/26

AUTHORS: Lipson, M.A. and Kravchenko, I.V., Candidates of Technical Sciences, and Lieberman, Yu.M., Engineer-Physicist

TITLE: On the Article by V.N. Maslenikov "On the Dependence of the Shape and Size of Samples on the Mechanical Properties of Rocks" (Na stat'yu V.N. Maslenikova "O zavisimosti mekhanicheskikh svoystv gornykh porod ot formy i razmerov obraztsov")

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 76-77 (USSR)

ABSTRACT: This article is a critical review of the Maslenikov article published in Gornyy Zhurnal, 1956, Nr 12. The reviewers conclude that Maslenikov's article does not contain any recommendations on the choice of sample sizes for tests. The article under review contains numerous inaccuracies and false assertions, and introduces only confusion in the solution of the problem in question. There is one Soviet reference.

AVAILABLE: Library of Congress
Card 1/1 1. Rock-Properties 2. Rock-Test methods

GERSHMAN, M., kand.tekhn.nauk; KRAVCHENKO, I., kand.tekhn.nauk

Rapid hardening and high-strength cement. 'Stroitel' no.1:28-29 Ja '59.
(MIRA 12:3)

(Cement)

KRAVCHENKO, I.V.

Investigating hydration processes in aluminous cements
and its calcium aluminate components. Silikaty no.2:
3-23 '59. (MIRA 13:6)
(Calcium aluminates) (Cement) (Hydration)

5(4)

SOV/69-21-1-2/21

AUTHORS: Budnikov, P.P. and Kravchenko, I.V.

TITLE: Research on The Hydration Processes of Calcium Monoaluminumate (Issledovaniye protsessov gidratatsii monoalyuminata kal'tsiya).

PERIODICAL: Kolloidnyy zhurnal, 1959, Vol XXI, Nr 1, pp 9-17 (USSR)

ABSTRACT: The article deals with research into the hydration processes of calcium monoaluminumate. The results of the experiments, done at various temperatures and humidity conditions and at different ratios between the solid and liquid phases, are described in detail. They showed (tables 1-3 and thermograms 1-3) that the general hydration process and the recrystallization rate of hexagonal calcium hydroaluminumates into the cubic form were accelerated with a rise in the temperature and humidity, especially at the temperature of 45° and under water conditions. The results also showed that the strength properties of the hydrated calcium monoaluminumates are independent of

Card 1/2

SOV/69-21-1-2/21

Research on The Hydration Processes of Calcium Monoaluminate

their liquid-solid ratio. The analysis of a 3-month-old sample, hardened in water at 45°, showed that the hard mass was composed mainly of $3\text{CaO}\cdot\text{Al}_2\text{O}_3\cdot6\text{H}_2\text{O}$, and of the gibbsite. The strength of the sample increases with time, and after 1 year exceeds the strength of samples hardened under different conditions. 3 sets of thermograms and 9 references, 4 of which are Soviet, 2 French, 2 German and 1 English.

ASSOCIATION: Nauchno-issledovatel'skiy institut tsementnoy promyshlennosti (The Scientific Research Institute of the Cement Industry), Moscow.

SUBMITTED: June 11, 1957.

Card 2/2

KRAVCHENKO, I.V., kand.tekhn.nauk ; VIASOVA, M.T., inzh.

Structure of cement brick as a result of accelerated steaming. Nauch.
soc. NIISementa no.8:13-18 '60. (MIRA 14:5)
(Cement)

KRAVCHENKO, I.V., kand.tekhn.nauk; YUDOVICH, B.E., inzh.

Using mercury porometry for determining the differential porosity
of cement stone. Nauch. soob NIITsementa no.9:32-38 '60.

(MIRA 14:5)

(Porosity)

(Cement)

KRAVCHENKO, I.V., kand.tekhn.nauk, DMITRIYEV, A.M., inzh., VOLKOV, O.S.,
insh., KHEIKER, D.M., kand.tekhn.nauk

Hydration products of clinker minerals in very deep oil wells.
Trudy NIISement no.13:35-50 '60. (MIRA 13:11)
(Cement clinkers--Testing) (Oil well drilling)

KRAYCHENKO, I.V., kand.tekhn.nauk, VLASOVA, M.T., insh.

Technological parameters of making cements of 700 and 800 grades.
Trudy NIISement no.13:68-79 '60. MIRA 13:11)
(Cement)

VLASOVA, M.T.; DANYUSHEVSKAYA, Z.L.; KRAVCHENKO, I.V.

Selecting cement compositions for concretes and mortars to be
subjected to short-time steam curing. TSement 26 no.2:22-26
Mr-Ap '60. (MIRA 13:6)
(Cement clinkers) (Autoclaves)

BUDNIKOV, P.P.; KRAVCHENKO, I.V.

Phenomena of expansion and strength faults in the setting of
cements. Zhur. prikl. khim. 33 no.11:2389-2399 N '60.
(MIRA 14:4)

(Cement)

KRAVCHENKO, I.V.; KRYLOV, V.F., kand. tekhn. nauk, nauchnyy red.;
TYUTYUNIK, M.S., red. izd-va; RUDAKOVA, N.I., tekhn. red.

[Alumina cement] Glinozemisty tsement. Moskva, Gos. izd-vo
lit-ry po stroit., arkhit. i stroit. materialam, 1961. 174 p.
(MIRA 15:4)

(Alumina cement)

KRAVCHENKO, Irina Vasil'yevna; TYUTYUNIK, M.S., red.izd-va;
GOL'BERG, T.M., tekhn. red.

[Expanding cements]Rasshiraiushchiisia tsementy. Moskva,
Gostroiizdat, 1962. 163 p. (MIRA 15:8)
(Cement)

BUDNIKOV, P.P., red.; BUTT, Yu.M., red.; KRAYCHENKO, I.V., red.;
ROYAK, S.M., red.; KHOLIN, I.I., red.; GLEZAROVA, I.L., red.
izd-va; GOL'BERG, T.M., tekhn. red.

[New developments in the chemistry and technology of cement]No-
voe v khimii i tekhnologii tsementa; trudy. Moskva, Gosstro-
izdat, 1962. 295 p. (MIRA 16:1)

1. Soveshchaniye po khimii i tekhnologii tsementa, Moscow,
1961.

(Cement)

KRAVCHENKO, I.V., doktor tekhn.nauk

Results of the conference. Tsement 30 no.6:7-3 N-D '64.

(MIRA 18:1)

1. Gosudarstvennyy vsesoyuznyy nauchno-issledovatel'skiy institut
tsementnoy promyshlennosti.

L 05895-67 EWT(m)

ACC NR: AR6031251 (A) SOURCE COED: UR/0081/66/000/011/M026/M026

AUTHOR: Kravchenko, I. V.; Vlasova, M. T.; Yudovich, B. E.; Krykhtin, G. S.; Kirillov, Yu. D.; Turkot, I. M.; Shorokh, L. N.; Bugaychuk, A. V.

TITLE; The production of a quick-hardening cement at a Zdolbunov Cement-Slate Plant

SOURCE: Ref. zh. Khimiya, Part II, Abs. 11M192

REF SOURCE: Nauchn. soobshch. Gos. Vses. n. -i. in-t sementn. prom-sti, no. 20(51), 1965, 36-41

TOPIC TAGS: cement, quick hardening cement/Zdolbunovskiy Cement Slate Plant

ABSTRACT: A technology was developed for manufacturing very quick-hardening cement with a hardening strength of 300 kg/cm² after one day, 450 kg/cm² after three days, and 700 kg/cm² after 28 days. At the Zdolbunov Cement-Slate Plant the base mixture is made from hard chalk, clay, and loams, containing a considerable quantity of large-crystal quartz; calcining was conducted in rotating furnaces, 118 and 170 m long. The physicochemical properties of the base components were studied, and the effect of the following factors on the cement strength was analyzed:

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~~LOS 895-67~~
~~E 05985-67~~

ACC NR: AR6031251

the type of fuel, the method of grinding the clinker, and the reactivity of the components. The reactivity of the base mixtures was found to be low, since 30--45% SiO_2 was present in the form of quartz particles larger than 15μ . The cross-

sectional view of the manufactured slurry showed large quartz crystals, $\leq 250 \mu$. The best results with respect to cement strength and furnace productivity were obtained with clinkers containing 55--63% C_3S and 7--8% C_3A when $n = 2.3-26$, and $p = 1.2-1.4$. The required cement strength was obtained when the specific $3500-4000 \text{ cm}^2/\text{g}$, while the specific surface should be $5000 \text{ cm}^2/\text{g}$ when calcining the clinker in a solid fuel. Mills, operating in open or closed cycles can be used: the temperature of the clinker being fed into the mill should not exceed $70-80^\circ$ in the first case and 100° in the second case, and 100° at the outlet from the mill.
[Translation of abstract]

SUB CODE: 07/

kh

Card 2/2

ACC NR: AP7003022

SOURCE CODE: UR/0050/66/000/008/0046/0049

AUTHOR: Kravchenko, I. V.

ORG: Main Office of the Hydrometeorological Service (Glavnoye upravleniyo Gidrometeoslužby)

TITLE: Conference of directors of hydrometeorologic and meteorologic services of socialistic countries in Europe

SOURCE: Meteorologiya i gidrologiya, no. 8, 1966, 46-49

TOPIC TAGS: meteorological service, hydrometeorological service, weather service, agriculture meteorology, synoptic meteorology, meteorotelecommunication, meteorologic conference

ABSTRACT: The Eighth Conference of Directors of Meteorological and Hydrometeorological Services of the socialist countries in Europe was held in Moscow from 21 to 28 February 1966. Besides delegations from these countries, a delegation from the Mongolian Peoples' Republic and Dr. M. Rodrigues Ramires, Director of the Meteorological Institute of Cuba, also participated. The Director of the Federal Office of Hydrometeorological Service in Yugoslavia, M. Perovich, and a representative of the European and Asiatic region of the International Geophysical Cooperation, Dr. G. Skayl, were observers.

Card 1/3

UDC: 551.58+48+467(4:103)(063)

ACC NR: AP7003022

The plenary meeting under the chairmanship of Academician Ye. K. Fedorov established three working committees and a working group on hydrology. Problems on cooperation between services, worldwide weather service, climatology, agriculture meteorology, aviation and synoptic meteorology, meteorological telecommunication, hydrology, and a unified system of hydrometeorological instruments were discussed. It was decided that before the next directors' meeting (planned for the first half of 1967 in the German Democratic Republic), the following group meetings would be held: climatology in January 1967 in Warsaw, meteorological telecommunication in conjunction with a seminar on the radioactivity of the air in September 1966 in Prague, and an editorial board to work on the description of aviation routes in June 1966 in Budapest.

Regulations for the directors' conferences, as proposed by the Hydro-meteorologic Service of Poland, were adopted at the Moscow conference. They contain provisions for cooperation in meteorology, hydrology, and oceanology, and participation in meetings of socialist countries outside of Europe. German, Russian, and the language of the host country are to be used at the conferences. A unified synoptic code was accepted for meteorological observations. A mutual exchange of observational data on ozone was recommended, and the ozone problem will be studied in the seminar in Germany in September 1966.

The problem of the use and distribution of radar observations for weather purposes was discussed, and an interchange of information was asked for.

Card 2/3

ACC NR: AP7003022

Problems of applied climatology were discussed, and unified processing of climatologic data was accepted, as well as the use of unified meteorological instruments. The conference recommended an exchange of hydrological observation data, improved collection and dissemination of meteorological information from Turkey, Greece, and the Near East, and telegraph networks for improved exchange of airport weather data. Reports of the USSR Hydro-meteorological Center on the numerical processing of forecast data were heard. Orig. art. has: 2 figures. [ATD PRESS: 5080-F]

SUB CODE: 04 / SUBM DATE: none

Card 3/3

KRAVCHENKO, I. Ye.

Feeding and Feeding Stuffs

Green fodder plan on Ukrainian state farms, Korm. baza, 3 No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, July 19 2 Unclassified

1. KRAVCHENKO, I.YE.
2. USSR (600)
4. Straw
7. Experiment in treating chopped straw with hot steam. Korm.baza 3 no.10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

Handwritten: КРАВОЧЕНКО, И.И.

KRAYCHENKO, I.I., zotekhnik.

Using caustic soda and steaming for processing chopped straw, Mekh.
sil. hosp. 9 no.1:24 Ja '58. (MIRA 11:2)
(Straw)

VORONIN, G.; KRAVCHENKO, K., inzh.; MELASHCHENKO, V., inzh.; MECHEV, A.,
inzh.

Tank cars of the near future. Fozh.delo 7 no.11:22-24 N '61.
(MIRA 14:11)

1. Nachal'nik konstruktorskogo otdela seksii protivopozharnoy
tekhniki pri Gosudarstvennom Komitete Soveta Ministrov SSSR po
avtomatizatsii i mashinostroyeniyu (for Voronin).
(Fire engines) (Tank cars)

KRAVCHENKO, K.F., dotsent, kand.tekhn.nauk

Determining impact stresses in a pneumatic hammer. Trudy MPI
46 '58. (MIRA 13:5)

1. Kafedra teorii mekhanizmov i detaley mashin Novocherkasskogo
ordena Trudovogo Krasnogo Znameni politekhnicheskogo instituta
imeni S. Ordzhonikidze.
(Hammers--Pneumatic driving) (Impact)

PYAJNITSKIY, A.A., prof.; MONAKHOV, I.F., dotsent, otv.red.; KRAVCHENKO,
K.F., dotsent, red.; KOLOKOLOV, K.M., dotsent, red.; MONAKHOV,
I.F., red.; POGREBTSOVA, L.V., red.izd-va; NAUMOVA, Yu.A., tekhn.red.

[Introduction to the theory and practice of strain measurement]
Vvedenie v teoriyu i praktiku tenzometrirovaniia. Novocherkassk,
Redaktsionno-izdatel'skii otdel NPI, 1960. 72 p.

(MIRA 14:6)

(Strain gauges)

KRAVCHENKO, K.F.

Results of the investigation of the comb mechanism with drop
combs. Izv.vys.ucheb.zav.; tekhn.tekst.prom. no.3:137-143 '60.

(MIRA 13:7)

1. Novochoerkasskiy politekhnicheskii institut.
(Textile machinery)

KRAVCHENKO, K.F., dotsent, kand. tekhn. nauk

Dynamics of a hackling mechanism. Izv. vys. ucheb. zav.; mashinost. (MIRA 13:11)
no. 9:34-44 '60.

1. Novocherkusskiy politekhnicheskiy institut.
(Textile machinery)

KRAVCHENKO, K.F., dotsent, kand.tekhn.nauk

Experimental investigation of a comb mechanism with falling combs.
Izv. vys. ucheb. zav.; mashinostr. no. 10:42-47 '60. (MIRA 14:1)

1. Novocherkasskiy politekhnicheskiy institut.
(Mechanical movements)

KRAVCHENKO, K.F.

Kinematics of a comb mechanism. Trudy NPI 107:41-52 '60.

(MIRA 14:3)

(Mechanical movements)

KRAVCHENKO, K.F.

Kinetostatic determination of forces exerted in an impact. Trudy
NPI 149:3-18 '63. (MIRA 17:4)

KRAVCHENKO, K.F., kand. tekhn. nauk, dotsent

Motion and vibrations of a rod under the action of forces at its
ends. Izv. vys. ucheb. zav.; mashinostr. no.8:59-66 '65.

(MIRA 18:10)

L 08062-67

ACC NR: AF7001673

SOURCE CODE: UR/0144/66/000/007/0773/0780

AUTHOR: Shalygin, I. V.; Kravchenko, K. F.; Kireyev, O. P.; Korobeynikov, B. A.

ORG: none

TITLE: Investigation of torque characteristics of pulse electromagnetic drives

SOURCE: IVUZ. Elektromekhanika, no. 7, 1966, 773-780

TOPIC TAGS: electromagnet, electric engineering

ABSTRACT: The authors analyze the case of drive of a mechanism the applied mass of which on the electromagnet armature is constant or changes insignificantly with time, so that the changes can be ignored. The investigation is limited to the primary function of an electromagnet, when it moves only the actuator mechanism, not when the armature is loaded with other additional forces. The torque characteristics of electromagnets are analyzed in dependence on the form of the air gap between the armature and the stop. A two stage torque characteristic is useful to reduce shock loads in the actuating mechanism. The usage of a two stage torque characteristic in combination with a return spring can reduce or completely eliminate shock loads in the actuating mechanism. With identical parameters of the process, torque characteristic variants with force changes require a considerable increase in initial electromagnet force and strength of the mechanism. Orig. art. has: 3 figures and 15 formulas. [JPRS: 38,490]

SUB CODE: 09 / SUBM DATE: 21Dec65 / ORIG REF: 003

Card 1/1 *plw*

UDC: 621.3.018.7+621.374.3

0724 1441

KRAVCHENKO, K.N., inzh.; BONDARCHUK, N.A., inzh.

Hard facing punch plates on 3000-ton presses. Svar. proizv.
no.7:37 J1 '61. (MIRA 14:6)
(Metalworking machinery)
(Hard facing)

KRAVCHENKO, K.N., inzh.

Reconditioning by welding of a cast iron transmitter pipeline.
Svar.proizv. no.7:31-32 J1 '62. (MIRA 15:12)

1. Dnepropetrovskiy truboprokatnyy zavod im. K.Libknekhta.
(Pipe, Cast iron—Maintenance and repair)
(Electric welding)

KRAVCHENKO, K. N., Cand Geol-Min Sci -- (diss) "Geological Structure
and ~~Prospects of Finding Oil~~ ^{Prospects of} and Gas ⁱⁿ the Kuchar Syncline
(Tarim ^{Area} ~~Mount~~ Mountain ^{Collect} Region)." Mos, 1957. 24 pp; 1 ^{sheet} list of tables
(Mos State Univ im M. V. Lomonosov, Geological Faculty, Chair of
Geology and Geochemistry of Combustible Mineral^s ~~Resources~~), 100
copies (KL, 50-57, 118)

KRAVCHENKO, K.N.; SMIRNOV, L.N.

Intersection of different structural elements in the Tien Shan.
Vest. Mosk. un. Ser. biol., pochv., geol., geog. 12 no.1:199-208
'57. (MIRA 10:11)

1. Kafedra geologii i geokhimii goryuchikh iskopayemykh.
(Tien Shan--Geology, Structural)

KR.VCHENKO, K.H.

New data on the stratigraphy of the Kucha Depression (Sinkiang)
[with summary in English]. Sov. geol. 1 no.8:95-113 Ag '58.

(MIRA 11:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Kucha Depression—Geology, Stratigraphic)

KRAVCHENKO, K.N.

Principal types of anticlines in the folded margin of the Kucharskiy depression in the Tarim intermontane area. Izv. vys. ucheb. zav.; nef't i gaz no.4:7-10 '58. (MIRA 11:9)

1. Moskovskiy gosudarstvennyy universitete im. Lomonosova.
(Tarim Depression--Geology, Structural)

KRAVCHENKO, K.H.

Prospective oil and *gas* resources of the Tarim area. Vest. Mosk.
un. Ser. biol. pochv., geol., geog. 13 no. 1:131-140 '59.

(MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet, Kafedra geologii i
geokhimii goryuchikh iskopayemykh.
(Tarim Valley--Petroleum geology)

BROD, I.O. [deceased]; VASIL'YEV, V.G.; VYSOTSKIY, I.V.; KRAVCHENKO,
K.N.; LEVINSON, V.G.; L'VOV, M.S.; GLENN, V.S.; SOROLOV,
B.A.; YERUSHOV, P.R., ved. red.

[Oil- and gas-bearing basins of the earth] Neftegazonosnye
basseiny zemnogo shara. [By] I.O. Brod i dr. Moskva,
Nedra, 1965. 597 p. (MIRA 18:3)

KRAVCHENKO, Leonid Danilovich, inzh.; CHINAYEV, P.I., kand. tekhn.
nauk, retsenzent; KOVAL'CHUK, A.V., inzh., red.izd-va;
BEREZOVYY, V.I., tekhn. red.

[Transfluxors in remote control systems] Transfliuksory v
ustroistvakh teleupravleniia. Kiev, Gos.izd-vo tekhn.lit-
ry USSR, 1963. 81 p. (MIRA 16:12)
(Remote control) (Cores (Electricity)
(Ferrates (Magnetic materials))

KATKOV, F.A., kand.tekhn.nauk, dotsent; KRAVCHENKO, L.D., inzh.

Contactless stages of frequency-composite remote control and signaling systems using transfluxors. Izv. vys. ucheb. zav.; energ. 6 no.7:37-43 J1 '63. (MIRA 16:8)

1. Kiyevskiy ordena Lenina politekhnicheskiiy institut. Predstavlena kafedroy avtomatiki i telemekhaniki.
(Automatic control) (Magnetic circuits)

L 63660-65 EWT(1)/EWA(h)

ACCESSION NR: AR5003336

S/0271/64/000/011/A006/A006
621.318.565

7
E

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 11136

AUTHOR: Kravchenko, L. D.

TITLE: Calculating the geometrical size of 2-window transfluxors

CITED SOURCE: Tr. Kiyevsk. politekhn. in-ta, v. 42, 1963, 11-17

TOPIC TAGS: transfluxor, transfluxor design, transfluxor calculation

TRANSLATION: The procedure of calculation is given of the geometrical size of 2-window transfluxors on the basis of the specified control-current and excitation-current safety factors, output power, and excitation frequency. Three illustrations. Bibliography: 2 titles.

SUB CODE: EC

ENCL: 00

llc
Card 1/1

L 63661-65 EWT(1)/EWA(h) GG

ACCESSION NR: AR5003334

S/0271/64/000/011/A005/A005
621.318.565

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 11A33

AUTHOR: Kravchenko, L. D.

TITLE: Ferrite-transistor unit with a transfluxor

CITED SOURCE: Tr. Kiyevsk. politekhn. in-ta, v. 42, 1963, 18-20

TOPIC TAGS: transfluxor, ferrite transistor unit, controllable oscillator

TRANSLATION: By using a 2-window transfluxor as a bistable element, a controllable generator (oscillator) can be constructed. The controlled magnetic circuit of the transfluxor is used as a transformer. The practical circuit of a ferrite-transistor transfluxor unit is presented, the principle of operation is explained, and a simplified design is given. The unit can be used as a switch in various automatic and telecontrol systems. Two illustrations.

SUB CODE: DP, IE

ENCL: 00

Card 1/1 *llc*

МАТОНЕНКО, Л.Ф.

МАТОНЕНКО, Л. Ф.: "The conservative treatment of burn toxigenes
using 6-ethylthiouracyl." Rostov State Medical Inst. Ros-
tov na Donu, 1956.
(Dissertation for Degree of Candidate in Medical Sciences).

SO: Knizhnaya letopis', No 23, 1966

KRAVCHENKO, Leonid Fedorovich, kand. med. nauk; MALINOVSKAYA, N.,
red.; YURGANOVA, M., tekhn. red.

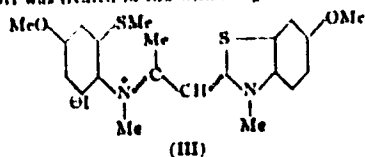
[Urov disease, its prevention and treatment]Urovskaia bolezni',
ee preduprezhdenie i lechenie. Chita, Chitinskoe knizhnoe izd-
vo, 1961. 74 p. (MIRA 15:9)

(ARTHRITIS, RHEUMATOID)

CA KRAVCHENKO, L.I.

10

Reaction of methylene bases of the benzothiazole series with halides. P. S. Babichev and L. I. Kravchenko (Kiev State Univ.). *Izv. Akad. Nauk. Khim. Zhur.* 16, 199-203 (1931). Heating 2-methyl-6-methoxybenzothiazole, bp 170-3°, with MeI 3 hrs. to 100° in a sealed tube yields the methiodide (I), m. 228°. Similarly, 2-methyl-6-chlorobenzothiazole, m. 81°, yields the methiodide (II), m. 222°. I (0.5 g.), 3.5 g. KOH, 30 ml. C₂H₅, and 10 ml. H₂O shaken 5 min. gave an org. layer contg. the methylene base, which after drying by KOH was treated *in situ* with 3.5 g. MeI, yielding 84%.



adduct (III), decomp. 172° (from EtOH). Heated with dil. HCl on a steam bath it readily yields 2-methyl-6-methoxy-

over

KRAVCHENKO, L.I.; AVRASIN, Ya.D.; MILYAYEV, B.F.

Fiberglass plastic based on a polyester acrylate binder obtained
by vacuum forming. Plast.massy no.3:28-32 '62. (MIRA 15:4)
(Glass reinforced plastics)

L 13816-66 EWT(m)/EWP(v)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6002484

(A)

SOURCE CODE: UR/0191/66/000/001/0052/0056

AUTHORS: Kravchenko, L. I.; Avrasin, Ya. D.

ORG: none

TITLE: Contact glass-textolite VPS-4¹⁵

SOURCE: Plasticheskiye massy, no. 1, 1966, 52-56

TOPIC TAGS: polymer, polymerization, glass cloth, glass fabric, glass fiber, fiber glass/ 1LED5M binding agent, VS4 glass textolite, St911S glass textolite, VPS 2 glass textolite, FN glass textolite, ASIT glass fabric

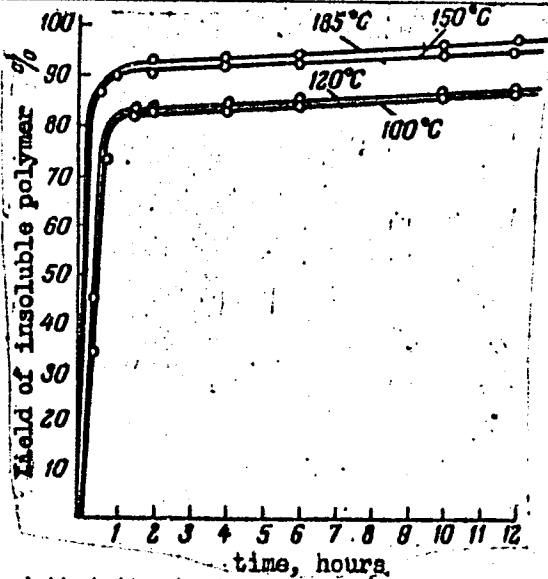
ABSTRACT: The chemical and physical properties of the polyesteracrylate-epoxide binding agent 1LED5M^b and the glass-textolite VPS-4 were studied. The investigation is an extension of work previously published by the authors (Plast. massy, 9, 1965). The change in viscosity during storage, the temperature dependence of the polymerization rate, and the tensile and compression strength of the binding agent 1LED5M were determined. Thermophysical properties of the glass-textolite VPS-4 prepared from nonoriented glass fibers and binding agent 1LED5M are presented and compared with those of glass-textolites St911S^b, VPS-2, and FN. The experimental data and comparisons are summarized in graphs and tables (see Fig. 1). It is concluded that the glass-textolite VPS-4 may be used up to a temperature of 200C. The impregnation method of textolite formation was found to yield textolites of higher compression strength.¹⁵

Card 1/2

UDC: 678.06-419:677.521

L 13816-66

ACC NR: AP6002484



5

Fig. 1. Dependence of the polymerization rate of the binding agent 11EDSM on the temperature.

It was also determined that the textolite VPS-4 obtained from the glass fabric ASTT and treated with a 5% solution of GVS-9 (by the method of the All-Union Scientific Research Institute of Glass Fiber) possessed higher resistance to water and a higher tensile and compression strength. Orig. art. has: 4 tables and 8 graphs.

SUB CODE: 11/

SUBM DATE: none/

ORIG REF: 004/

OTH REF: 001

Card 2/2

PC

157 4453
15

KRAVCHENKO, L.I.; AVRASIN, Ya.D.

Basic physicomachanical properties of "VP-1" glass fiber
plastics produced by the method of "binder suction" of
chopped glass fibers. Plast. massy no.11:43-45 '65.

(MIRA 18:12)

L 2269-66 EPA(a)-2/EWT(m)/EPF(o)/EWP(j)/T/ETC(m) WW/RM
ACCESSION NR: AP5022225 UR/0191/65/000/009/0025/0029
678.674:678.643'42'5.06 | 419:677.521 39 B

AUTHOR: Kravchenko, L. I.; Avrasin, Ya. D. 44.55

TITLE: Effect of technological and other factors on the properties of fiberglass 44.55, 15

SOURCE: Plasticheskiye massy, no. 9, 1965, 25-29

TOPIC TAGS: reinforced plastic, fiberglass, epoxy plastic, polyester plastic, filler

ABSTRACT: The paper discusses the effect of pressing conditions on the strength properties of glass reinforced plastics; this includes the type of polyester used for preparing the binder, the pressing temperature, heat treatment, pressure of pressing, and time spent in the press. The effect of sizing agents and emulsions used for preparing the glass braids is considered next. Other factors affecting the strength of the fiberglass-reinforced materials are the diameter of the fiberglass and the influence of mineral fillers. The corresponding findings for temperatures between 20 and 200C are tabulated. "The authors thank L.S. Krasnoyarskaya and Z. I. Bronshteyn for providing the materials for the study." Orig. art. has: 6 figures and 5 tables.

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L. 2269-66

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AUTHORS: Kravchenko, L. I.; Avrasin, Ya. D.

ORG: none

TITLE: Basic physicommechanical properties of the fiber-glass plastic VP-1 obtained by method of "imbibing" chopped fiber glass

SOURCE: Plasticheskiye massy, no. 11, 1965, 43-45

TOPIC TAGS: polyester, epoxy plastic, glass fiber, fiber glass, solid mechanical property, structural plastic/ VP-1 fiber glass

ABSTRACT: It was the object of this investigation to extend previously published results on the influence of various types of polyesters in polyester-epoxy binders on the properties of the latter, and also on the effect of the manufacturing method of fiber-glass plastics on their properties, as given by the authors (Plast. massy, No. 9, 25, 1965). The strength, relative viscosity, Poisson coefficient, and the effect of various solvents on the fiber-glass plastic VP-1 were determined at various temperatures. The experimental results are tabulated. The plastic was prepared by pressing together glass fiber chips with

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