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Order from STAN \$1.00 62-181-0

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DESCRIPTORS: *Thermochemistry, *Iron, Smelting,
*Slags, Heat of formation, Oxides, Silice acids, Chlorides.

Report is made about the heats of solution of four different
slag types of the iron smelting operations, and the heat of
formation from the oxides is calculated approximately.
The heat decreases with increasing silice acid content.
The main description is made on a silicon slag system.
The heat of the process offers particular thermal ad-
vantages is doubtful according to this, until exact thermo-
dynamic values are available.

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1960, v. 11, no. 7, p. 312-318.

DESCRIPTORS: Spinning; Filaments;
Amides; Esters; Strasses.

A method for the labeling of cross-orientation of filaments is described. The effect of the spinning conditions on the pre-orientation for polycondensate filaments (especially polyamide filaments) is examined. Besides the maximum stretching rate, the natural stretching rate and the shrinking of the unstretched material as a measure of the pre-orientation. The changes of (Materials - Textiles, FT, v. 6, no. 6)

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DESCRIPTORS: *Concrete, Structures, *Reinforced
concrete, Construction materials industry, Behavior,
*Fires, *Reinforcing steel, Tests, Tensile properties,
Stresses, Standards, Load distribution.

0220055

This review shows that a fire rating (appraisal of
prestressed concrete structural members is difficult
to establish, that results of experience with reinforced
concrete cannot form the basis of such an appraisal,
and that an extensive concern with this problem is in
order. The difficulty is compounded by the fact that
hardly any usable background information is available.
(Author)

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