



INSUL D

DESCRIPTION: Diatomaceous earth.

USES INCLUDE: Tundish insulating cover.

CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

SiO ₂	88.5%
Al ₂ O ₃	6.2%
Fe ₂ O ₃	2.4%
CaO	0.6%
MgO	0.5%
Other Oxides	1.3%
Loss on Ignition	0.5%

TYPICAL AS RECEIVED PROPERTIES:

Structure	Calcined
Color	Tan
Sieve Analysis (Tyler)	
% + 6 mesh (> 3360 microns)	1.5
% + 20 mesh (> 850 microns)	90.0
% + 80 mesh (> 180 microns)	99.8
Free Moisture (maximum % H ₂ O)	0.2
Density:	(lb/ft ³) (g/l)
Dry Bulk.....	25 400
Specific Gravity	2.2
Oil Absorption (Gardner Coleman) % by weight	90
Water Absorption (Westinghouse) % by weight	110

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally, and as a function of size and shape. This form is not intended to be used for purposes of specification, it is informational only.

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