



PRODUCT DATA

Brand Name:

F-6

Description: Highly refractory material used in the continuous casting process. It is non-wetting for ferrous metals.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Bulk Density (pcf)

As Received 120 (1.93 g/cm³)

Modulus of Rupture (psi)

At 70°F (21°C) 1,200 (85 kg/cm²)

Coefficient of Thermal Expansion (x 10⁻⁶ in/in/°C)

3.0

Apparent Porosity (%)

17.7

Absorption (%)

11.8

Pyrometric Cone Equivalent

31.0

Apparent Specific Gravity

As Received 158 (2.53 g/cm³)

Typical Chemical Analysis (%)

(Calcined Basis)

Carbon (C)	30.6
Silica (SiO ₂)	42.5
Alumina (Al ₂ O ₃)	23.4
Iron Oxide (Fe ₂ O ₃)	1.4
Titania (TiO ₂)	0.8
Lime (CaO)	0.2
Magnesia (MgO)	0.2
Alkalis (Na ₂ O+K ₂ O)	0.8

Brand Code: 4920

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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