



PRODUCT DATA

Brand Name:

S-13

Description: CLAY GRAPHITE, GENERALLY USED AS STOPPER HEAD MATERIAL IN THE STEEL INDUSTRY

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

Bulk Density (pcf)

As Received 109 (1.75 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 3450 (74.9 kg/cm²)

Apparent Porosity (%)

As Received 24.5

Apparent Specific Gravity (pcf)

As Received 146 (2.34 g/cm³)

Carbon Content (%)

As Received 44.8

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	35.8
Magnesia (MgO)	0.5
Silica (SiO ₂)	58.0
Iron Oxide (Fe ₂ O ₃)	2.1
Lime (CaO)	0.7
Titania (TiO ₂)	1.5
Alkalis (Na ₂ O+K ₂ O)	1.4

Brand Code: 4916

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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