



PRODUCT DATA

Brand Name: **S-16**

Description: For molten metal applications where erosion/corrosion or reaction with the seating nozzle is a problem. Recommended for those applications exceeding 3000°F.

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

Maximum Service Temperature: 3120°F (1716°C)

Bulk Density (pcf)

As Received 132 (2.12 g/cm³)

Modulus of Rupture (psi)

As Received 1242 (88 kg/cm²)

Apparent Porosity (%)

As Received 21.5

Apparent Specific Gravity (pcf)

As Received 170 (2.72 g/cm³)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	48.7
Magnesia (MgO)	0.2
Carbon (C)	29.1
Silica (SiO ₂)	18.8
Iron Oxide (Fe ₂ O ₃)	1.1
Lime (CaO)	0.1
Titania (TiO ₂)	0.6
Alkalis (Na ₂ O+K ₂ O)	0.3

Brand Code: 4923

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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