



PRODUCT DATA

Brand Name:

S-14

Description: High refractory material for general use where S-9 service is marginal. For high manganese, high nickel steels and for vacuum degassing.

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

Maximum Service Temperature: 2900°F (1593°C)

Bulk Density (pcf)

As Received 129 (2.07 g/cm³)

Modulus of Rupture (psi)

As Received 1500 (160 kg/cm²)

Apparent Porosity (%)

As Received 19.4

Apparent Specific Gravity (pcf)

As Received 160 (2.57 g/cm³)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	41.5
Magnesia (MgO)	0.3
Carbon (C)	18.3
Silica (SiO ₂)	35.5
Iron Oxide (Fe ₂ O ₃)	1.3
Lime (CaO)	0.3
Titania (TiO ₂)	1.4
Alkalis (Na ₂ O+K ₂ O)	1.5

Brand Code: 4922

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

03/27/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.