



PRODUCT DATA

Brand Name: Z-DOL

Description: High purity sintered dolomite that is sized, blended with zirconia, pressed into a brick shape for rotary kilns, then fired in a high temperature tunnel kiln to create a strong ceramically bonded brick. Z-DOL is a premium quality, spall resistant refractory for use in the burning zone of a rotary cement kiln.

Physical properties shown are averages based on standard brick sizes.
ASTM test methods used where applicable

Bulk Density (pcf)

As Received 178 (2.85 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 5800 (406 kg/cm²)

Apparent Porosity (%)

As Received 17.0

Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
1242°F (700°C)	18.0	2.6
1832°F (1000°C)	16.6	2.4

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	37.0
Lime (CaO)	58.0
Alumina (Al ₂ O ₃)	0.8
Silica (SiO ₂)	1.2
Iron Oxide (Fe ₂ O ₃)	1.3
Zirconia (ZrO ₂)	1.7

Packaging and Storage: Pallets should be stored in a dry protected area. Vacuum sealed ALUVAC foil packaging is available upon request for optimum shelf life. Care should be taken not to damage outer packaging.

Brand Code: 5021

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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