



PRODUCT DATA

Brand Name: **FG65Z-DOL**

Description: High purity high fired ceramically bonded magnesite enriched dolomite brick with zirconia to ensure optimum resistance to thermal cycling and spalling. A high purity fused grain magnesite is added to ensure optimum performance in the most arduous of steelmaking applications. Applications include AOD tuyeres, tuyere pads and slagline, and VOD slaglines.

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

Bulk Density (pcf)

As Received 179 (2.87 g/cm³)

Cold Crushing Strength (psi)

At 70°F (21°C) 4200 (294 kg/cm²)

Apparent Porosity (%)

As Received 12 - 15

Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	58.0
Lime (CaO)	38.0
Alumina (Al ₂ O ₃)	1.0
Silica (SiO ₂)	1.2
Iron Oxide (Fe ₂ O ₃)	1.3
Zirconia (ZrO ₂)	1.0

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: 7297

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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