

## China-Yixing Longly Refractories Load Bearing Board Corundum-Mullite

Category : Ceramic , Oxide , Aluminum Oxide

**Material Notes:**

Products with high-purity fused alumina and fused mullite for raw materials, the use of high-tonnage press repression, from ultra-high-temperature sintering; high-purity, the main phase (or corundum mullite) high erosion-resistant, anti-erosion; high-temperature conditions, particularly excellent cross-bending and anti-broken; efficient thermal conductivity and mechanical load power, chemical stability, performance, good thermal shock resistance, excellent creep resistance, long service life; more cost-effective, is the preferred burning kiln furniture for electronic kiln of firing process. Widely used in chemical, ceramics, electronic and magnetic materials of high-temperature furnace. Application: Magnetic materials, electronic ceramics. Information Provided by China Yixing Longly Refractories Co. Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_China-Yixing-Longly-Refractories-Load-Bearing-Board-Corundum-Mullite.php](http://www.lookpolymers.com/polymer_China-Yixing-Longly-Refractories-Load-Bearing-Board-Corundum-Mullite.php)

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.80 g/cc	>= 0.101 lb/in <sup>3</sup>	
Porosity	>= 18 %	>= 18 %	Apparent

Mechanical Properties	Metric	English	Comments
Flexural Strength	>= 29.0 MPa	>= 4210 psi	high temp bending
	>= 110 MPa	>= 16000 psi	cold bending
Compressive Strength	>= 100 MPa	>= 14500 psi	Ambient

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	>= 1750 °C	>= 3180 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 86.8 %	>= 86.8 %	
Fe2O3	<= 0.080 %	<= 0.080 %	
SiO2	<= 9.1 %	<= 9.1 %	

Descriptive Properties	Value	Comments
Refractoriness (°C)	>1700	Under load temperature, 0.2 MPa, 0.6%

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