

## PRODUCT UNDER CONSULTATION

### MAE-32

#### Alumina-Magnesia Spinel

MAE-32 is a fused Alumina-Magnesia Spinel obtained from the fusion of alumina and magnesia in an electric arc furnaces. It presents high chemical stability due to its macro crystals. MAE-32 is recommended for refractory applications.

#### General Characteristics

True Specific Gravity	Melting Point	Crystalline Structure	Color
3.55 g/cm <sup>3</sup>	2,150 °C	Spinel and Periclase	Beige

#### Chemical Analysis by XRF (%)

Al <sub>2</sub> O <sub>3</sub>	MgO	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O
67.59	31.43	0.26	0.17	0.49

#### Typical Physical Properties

Apparent Porosity	Apparent Specific Density
3.21%	3.33 g/cm <sup>3</sup>

Apparent Porosity and Apparent Specific Density by ASTM Designation C 20-00.

#### Grit Size

Size (astm)	Size (mm)
3/4" / 5/16"	19.1 - 8.00
5/16" / 4	8.00 - 4.75
4 / 10	4.75 - 2.00
10 / 20	2.00 - 850 µm
10 / 40	2.00 - 425 µm
20 / 40	850 - 425 µm
40 / 200	425 - 75 µm
TPF II	- 212 µm
200 MF	- 75 µm
325 MF	- 45 µm

\* Other grit sizes upon request.