

PRODUCT UNDER CONSULTATION

MAE-10

Alumina-Magnesia Spinel

MAE-10 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 its macro crystals. MAE-10 is recommended for refractory applications.

General Characteristics

True Specific Gravity	Melting Point	Crystalline Structure	Color
3.57 g/cm ³	1,950 °C	Spinel and Alpha-Alumina	Beige

Chemical Analysis by XRF (%)

Al ₂ O ₃	MgO	SiO ₂	Fe ₂ O ₃	Na ₂ O
89.10	10.17	0.05	0.04	0.49

Typical Physical Properties

Apparent Porosity	Apparent Specific Density
4.8%	3.43 g/cm ³

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.