



MAE-10 - ALUMINA-MAGNESIA SPINEL

FUSED ALUMINA-MAGNESIA SPINEL FOR REFRACTORIES

ABOUT:

MAE-10 is a fused Alumina-Magnesia Spinel obtained from fusion of alumina and magnesia in an electric arc furnace. It presents high chemical stability due to its macro crystals. MAE-10 is recommended for refractory applications.

TYPICAL CHEMICAL ANALYSIS

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

TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	Spinel & α-alumina
Melting Point:	1950° C
Color:	Beige
Specific Gravity:	3.57 g/cc
Average Crystal Size:	4,000 μm
Apparent Porosity:	4.8%
Apparent Specific Density:	3.43 g/cm ³

App. Porosity & App. Specific Density by ASTM C 20-00

AVAILABLE SIZES

MESH	METRIC (mm)
3/4" x 5/16"	19.1 - 8.00
5/16" x 4	8.00 - 4.75
4 x 10	4.75 - 2.00
10 x 20	2.00 - 0.850
10 x 40	2.00 - 0.425
20 x 40	0.850 - 0.425
40 x 200	0.425 - 0.075
TPF II	- 0.212
200 MF	- 0.075
325 MF	- 0.045

*Other sizes available upon request

USEM

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GRUPO CURIMBABA

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