



# MAE-28 - ALUMINA-MAGNESIA SPINEL

## FUSED ALUMINA-MAGNESIA SPINEL FOR REFRACTORIES

### ABOUT:

MAE-28 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-28 is recommended for refractory applications.

### TYPICAL CHEMICAL ANALYSIS

Al <sub>2</sub> O <sub>3</sub>	71.42%
MgO	27.43
SiO <sub>2</sub>	0.16
Fe <sub>2</sub> O <sub>3</sub>	0.14
Na <sub>2</sub> O	0.51

### TYPICAL PHYSICAL PROPERTIES

Crystal Structure:	Spinel & Periclase
Melting Point:	2150° C
Color:	Beige
Specific Gravity:	3.54 g/cc
Average Crystal Size:	4,000 μm
Apparent Porosity:	3.2%
Apparent Specific Density:	3.30 g/cm <sup>3</sup>

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

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