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MAGFILL®

**SYNTHETIC OLIVINE – MAGNESIUM SILICATE – FORSTERITE - ENSTATITE
 REFRACTORY SAND PRODUCT**

ADVANTAGES:

- High fusion temperature
- Low thermal Expansion and conductivity
- Excellent cost to performance ratio
- Quick and easy supply
- Low bulk density

OUR STANDARD GRANULOMETRY

Sizes	Brand name	MAIN USAGES
-3 +10	MAGFILL®	Refractory sand as E.B.T. TAP Hole Filler
-4 +10	MAGFILL®	Refractory sand as E.B.T. TAP Hole Filler
12 - 40	MAGFILL®	Refractory sand as E.B.T. TAP Hole Filler
16 - 60	JETMAG®	Backing sand, Ladle insulator and Traction for Locomotive
30 - 60	JETMAG®	Backing sand, Ladle insulator and Traction for Locomotive

Other possible sizes under JETMAG banner: 35 - 70, 200 Mesh

Chemical analysis		Physical properties
ELEMENTS	% weight	
MgO	38 - 42	Color : Brown
SiO ₂ *	39 - 47	Fusion Temperature : > 1700°C
Fe ₂ O ₃	7 - 10	Softening Temperature (Pasty texture): 1450 - 1700°C
AL ₂ O ₃	0.3 - 1.3	Thermal Expansion : 0,01% in/in
CaO	0.8 - 1	Thermal Conductivity: Low
Others	1 - 2	Hardness : 7 À 7,5 on the Mohs scale
L.O.I.	0.1 – 2.0	Compacted Density : 93 - 100
		Angular PH : 8.4
		* Upon granulometry

MINERAL ANALYSIS			
Minerals	% Weight	Minerals	% Weight
Forsterite (Mg ₂ SiO ₄)	50 - 60	Maghemite	2 - 8
Enstatite	25 - 30	Magneso-Ferrite	8 - 10
Remainder	4 - 5	Total	100

* More than 99 % of the silica is chemically link to magnesium with less than 1 % de free silica.

Revision : January 2023	Technical data MAGFILL EN	By : Ben Piuze	Public/Fiche Technique
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