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OLIMAG Inc. Sands
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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	Color : Brown
Mg0	38 - 42	Fusion Temperature : > 1700˚C
$Si0_2$*	39 - 47	Softening Temperature (Pasty texture): 1450 - 1700˚C
$Fe_2\ 0_3$	7 - 10	Thermal Expansion : 0,01% in/in
$AL_2\ 0_3$	0.3 - 1.3	Thermal Conductivity: Low
Ca0	0.8 - 1	Hardness : 7 À 7,5 on the Mohs scale
Others	1 - 2	Compacted Density : 93 - 100
L.O.I.	0.1 – 2.0	Angular PH : 8.4
		* Upon granulometry

MINERAL ANALYSIS			
Minerals	**% Weight**	**Minerals**	**% Weight**
Forsterite (Mg_2SiO_4)	50 - 60	Maghemite	2 - 8
Enstatite	25 - 30	Magnesio-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.