

## Olivine Sand

Thanks to it's high sintering point and low thermal expansion, gives excellent results used in manganese steel casting or in heavy iron casting

### Typical CHEMICAL ANALYSIS

SiO<sub>2</sub> . 41,9 %  
 MgO . 49,5 %  
 Fe<sub>2</sub>O<sub>3</sub> . 7,1 %  
 Al<sub>2</sub>O<sub>3</sub> . 1,0 %  
 H<sub>2</sub>O + CO<sub>2</sub> . 0,5 %

### Typical MINERALOGICAL ANALYSIS

Forsrerite(Mg<sub>2</sub>SiO<sub>4</sub>) . 94%  
 Fayalite ( Fe<sub>2</sub>SiO<sub>4</sub>) . 6%

Sand gray-green

Bulk density : 2,05 kg/l

AFA : 50-55

Sintering point : 1400 °C

Melting point fusion : 1750 °C

Mhos hardness : 6,5-7

### Typical granulometry analysis :

sivies	DIN 1171	(mm)	residuo (%)
4		1,500	-
6		1,000	-
10		0,600	1,59
16		0,400	24,43
20		0,300	25,03
30		0,200	26,94
40		0,150	13,07
60		0,100	5,83
80		0,075	2,01
100		0,060	0,60
fondo		-	0,50
AFA		52,89 DIN	

