



VERMICULITE TECHNICAL DATA SHEET

MAX SERVICE TEMPERATURE

Max service temperature	800°/900° C
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COMPOSITION AND INFORMATION ON INGREDIENTS

Main constituent:	Magnesium silicate and Alumina hydrate CAS-N°: 1318 – 00 – 9
Impurity:	Quartz (alveolar) CAS-N° 14808-60-7 EINECS-N° 238-878-4 Concentration: < 1%

PHYSICAL PROPERTIES

PROPERTIES	UNIT	TYPICAL
Fusion point	°C	1300
Thermal conductivity (λ)	W/m°k	0.058 – 0.071
Specific heat	KJ/Kg°k	0.84 – 1.08
CEC (Cation exchange capacity)	Me/100g	50 - 150

GRAIN SIZING

TYPE	GRAIN SIZING	BULK DENSITY
Nano	0 - 1 mm	150 g/l
Micron	0 - 1.5 mm	130 g/l
Superfine	0 - 2 mm	104 g/l
Fine	0.3 - 4 mm	88 g/l
Medium	0.5 - 8 mm	81 g/l
Large	1.4 – 12 mm	75 g/l

PACKAGING

Bags of 100 lt	Bags on filmed pallet n. 39
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Overpack S.r.l.