

VERMICULITE

Chemical Analysis		
%	Typical	Guaranteed
Al ₂ O ₃	12,5	10-15
SiO ₂	41	38-43
Fe ₂ O ₃	5,8	Max 8,5
MgO	24,7	22-27
K ₂ O	5,0	Max 6

Physical properties	
Ph	6-8
Specific heat (kJ/kg K)	1
Water retention capacity (% dry weight)	240
Cations exchange capacity (m-eq/100 g)	90-100
Thermal conductivity (W/m °C)	0,062-0,065

General information	
Sintering temperature	≈ 1.260°
Melting point	≈ 1.315°
Real density	2,6

Sizes	
Grade	Size (% weight)
Medium (3)	> 5mm: <10% 2-5mm: >50% <0,25mm: <5%
Fine (2)	> 3,15mm: <10% 1-3,15mm: >60% <0,25mm: <5%
Superfine (1)	>2mm: <5% 0,5-1,6mm: >60% <0,25mm: <7,5%

Packing density: 100 kg/cm³ (80-125)