

VERMICULITE EXFOLIATED

Chemical Analysis (Standard)	
%	
Al ₂ O ₃	6-13
SiO ₂	35-41
Fe ₂ O ₃	Max 11
MgO	20-26
K ₂ O	Max 8

Physical Properties		
pH	6-8	
Water retention capacity	240	% dw
Cation Exchange capacity	90-100	m-eq/100 g
Specific heat	1	kJ/ kg K
Thermal conductivity – atmospheric temperature	0.062-0.065	W/m°C
Packing density		
G3, G2 Y G1:	80-125	kg/m ³
G0:	80-140	kg/m ³
Sintering temperature	~1260 °C	
Melting point	~ 1315 °C	
True density	2.60 g/cm ³	

Grade	Grain size distribution (% weight)
Medium (G3)	> 6.3 mm: < 10% 2-5 mm: > 50 % < 0.25 mm: < 5%
Fine (G2)	> 3.15 mm: < 10% 1-3.15 mm: > 60% < 0.25mm: < 5%
Superfine (G1)	> 2 mm: < 5% 0.5-2 mm: > 60% < 0.25 mm: < 7.5%
Micron (G0)	> 2 mm: < 5%

Uses and Application
<p>Light mineral, insulating mineral, absorbent, insoluble in water and organic solvents.</p> <p>Applications: Horticulture, friction, absorbent, refractory, insulating, fire protection.</p>