

Product Specification Sheet

Vermiculite

No. SMRP015-0

Other Names		Buldymite, Pelhamite, Roseite					
Items/Grades		V-R				V-E	
Chemical Compositions (%)	SiO ₂	35-45				40-45	
	MgO	20-25				20-25	
	Al ₂ O ₃	10-15				10-15	
	K ₂ O+Na ₂ O	5-8				5-8	
	TiFeO	4-6				4-6	
	Fe ₂ O ₃	4-6				3-6	
	FeO	<=2				<=2	
	CaO	<=2				<=1.5	
	TiO ₂	<=1.5				<=1.5	
Particle Size (mm)		0.25-0.71	0.6-1.4	1-2	2.8-6.3	1-2	4-6
		0.3-1	---	1.4-2.8	4-8	2-4	4-8
		---	---	2-4	---	---	+8
Physical Properties	Impurities (%)	<=8	<=8	<=8	<=8	---	
	Moisture (%)	<=5	<=5	<=5	<=5	---	
	Volume Density (g/cm ³)	0.65-0.85	0.65-0.85	0.65-0.85	0.5-0.7	0.06-0.2	
	Expansion Times (ml/ml)	3-6	6-7	7-8	8-10	---	
	Refractoriness (°C)	---	---	---	---	1,300-1,500	
	Service Temperature (°C)	---	---	---	---	900-1,000	
	Water Absorption (%)	---	---	---	---	25-41	
	Thermal Conductivity	---	---	---	---	0.047-0.081 w/m k	
Packing		1,000kg in one jumbo bag, 20MT in 1x20'fcl				6-10kg in one pp bag, 7MT in 1x40'fcl for sizes of 1-3mm, 2-3mm & 2-4mm, 6MT for sizes of 4-6mm, 4-8mm & +8mm	
Photos for Reference							