

PRODUCT SPECIFICATION

	Typical Value	Range	
		Min	Max
Chemical Composition (mass %):			
Al ₂ O ₃	42.0	40.5	43.5
K ₂ O	2.0	1.8	2.2
SiO ₂	54.0		
TiO ₂	0.07		
CaO	0.07		
MgO	0.30		
Fe ₂ O ₃	1.30		
Magnetics [ppm]			
Coarse grades			160
Intermediate grades			250
Milled grades			120
GL grades			50
Mineralogical composition by X-ray diffraction (mass %):			
Mullite	55		
Amorphous material	45		
Thermal expansion			
Coefficient of expansion, 20-1000°C [°C ⁻¹]	4.4 x 10 ⁻⁶		
Specific Gravity			
	2.70		
Porosity (vol %)			
	10		
Refractoriness [°C]			
Initial deformation	1750 – 1770		
Squatting	> 1770		
Hardness:			
Moh's scale	7 – 8		

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ISO 9001
 FM 14752

Molochite™ is a trade mark of IMERYS Minerals Ltd

The data quoted is determined by the use of IMERYS Minerals Ltd Standard Test Methods, copies of which will be supplied on request. Every precaution is taken in production to ensure the products conform to our published data.

Since the products are based on naturally occurring materials, we reserve the right to change these data should it become necessary. Sales are in accordance with our "Conditions of Sale", copies of which will be supplied on request.