

dupré CRUDE VERMICULITE



DESCRIPTION

Vermiculite is a hydrated magnesium aluminum silicate mineral which resembles mica in appearance. When subjected to heat, vermiculite exfoliates to form elongated concertina like particles which are lightweight, incombustible, compressible, highly absorbent, and non-reactive.

TYPICAL PROPERTIES

Typical Physical Properties		Typical Chemical Properties ¹	
Melting Point (°C)	~1330	% SiO ₂	39.3
Specific Heat (1kJ kg ⁻¹ K ⁻¹)	1.08	% MgO	23.9
Specific Gravity (Crude)	~2.75	% Al ₂ O ₃	13.9
Moh's Hardness (Crude)	1 – 2	% K ₂ O	0.32
pH (ISO 787-9)	7 – 9	% Fe ₂ O ₃	9.3
% Loss at 105°C (Product)	< 1.5	% CaO	3.1
% Loss at 1000°C (Product)	< 10	% TiO ₂	1.7
		% F	0.6



GRADE	Nominal Size	Loose Bulk Density ¹ / kg m ⁻³
LARGE	8.0 to 2.8 mm	600 - 800
MEDIUM	4.0 to 1.4 mm	880 - 1000
FINE	2.0 to 0.71 mm	890 - 1000
SUPERFINE	1.0 to 0.355 mm	925 - 1050
MICRON	0.71 to 0.25 mm	925 - 1050

¹ based on primary vermiculite source

dupré
Minerals

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Information presented above is given in good faith as accurate and reliable but is not to be taken as a guarantee. The figures provided are intended to be a guide to expected average values and should not be interpreted as a specification. Any potential applications referred to are not to be construed as recommendations. It is the responsibility of the user to determine suitability for any specific purpose.

ISSUE 091121