

MICASILK VERY FINE POWDERS

Wet ground mica powders have a high aspect ratio, refractive index, thermal resistance. They also combine a good lustre and thermal resistance and are therefore widely used as fillers and extenders in the building, paint, plastic, rubber industries.

CHEMICAL PROPERTIES

SiO ₂	Al ₂ O ₃	K ₂ O	Na ₂ O	MgO	CaO	TiO ₂	Fe ₂ O ₃	PH
47 ~ 50%	28 ~ 33%	8 ~ 11%	0.6 ~ 0.9%	0.5 ~ 0.8%	0.3 ~ 0.6%	0.6 ~ 0.9%	2.1 ~ 4.2%	7.8

PHYSICAL PROPERTIES

Heat resistance	Colour	Mohs hardness	Elastic coefficient	Transparency	Melting point	Purity
650° C	silver, white	2.5	(1475.9 ~ 2092.7) x 10 ⁶ Pa	71.7 ~ 87.5%	1250° C	> 99.5 %

PRODUCT SPECIFICATIONS

PRODUCT	Bulk density (g/cm ³)	Whiteness (L.a.b)	Ave. Particle size (μ m)	Aspect ratio	Moisture (%)	Oil absorption (ml/100g)	LOI 1000°C
MicaSilk M200	0.30	81	45	76	< 0.4	35	4.0
MicaSilk M201	0.20	82	52	85	< 0.5	55	4.0
MicaSilk M333	0.20	82	28	95	< 0.5	60	4.0
MicaSilk M325	0.22	83	32	80	< 0.5	35	1.2
MicaSilk M600	0.20	86	23	80	< 0.5	35	1.2

DRY GROUND MICA POWDERS - W RANGE

Dry ground mica powders are particularly useful as fillers and extenders in the building, paint, plastic, rubber industries.

The W Range is particularly useful where extra whiteness and purity are required.

This range is also available as a sterilised powder to inhibit bacteria and moulds.

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PRODUCT SPECIFICATIONS

PRODUCT	Particle Distribution (%)				Bulk density (g/cm ³)	Whiteness
	> 400 µm	> 160 µm	> 100 µm	> 45 µm		
Mica W60	< 0.2	10 - 20	45 - 65	> 90	38 - 45	
Mica W100	< 0.1	0.3 - 0.35	15 - 22	55 - 65	38 - 45	> 60
Mica W200			< 1	34 - 41	25 - 35	> 64
Mica W325				< 5	35 - 45	> 60