

STANDARD MICA FLAKES

Dry ground mica flakes are principally used in formulations for the automotive, construction and oil 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 or beige	2.5	(1475.9 ~ 2092.7) x 10 ⁶ Pa	71.7 ~ 87.5%	1250° C	> 99 %

PRODUCT SPECIFICATIONS

PRODUCT	Particle Distribution (%) μm								Bulk density (g/cm ³)	Quartz content (%)
	+6350	+2240	+1700	+1000	+500	-250	-150	-53 μm		
Mica M10	-	-	< 1	7 - 25	60 - 85	0 - 12	-	-	0.29	< 1
Mica M11	-	-	< 1	7 - 25	60 - 85	0 - 12	-	-	0.26	2 - 3
Mica M16	-	-	-	1 - 10	40 - 70	-	< 10	2 - 4	0.3	2 - 3
Mica M20	< 5	70 ± 5	25 ± 5	< 10	< 5	1	1		0.3	< 0.5

DRY GROUND MICA POWDER M20

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Mica M20	< 5	70 ± 5	25 ± 5	< 10	< 5	1	1		0.3	< 0.5

DRY GROUND MICA FLAKES - OIL DRILLING

Dry ground mica powders designed specifically for the oil drilling industry.

CHEMICAL PROPERTIES

SiO ₂	Al ₂ O ₃	K ₂ O	Na ₂ O	MgO	CaO	TiO ₂	Fe ₂ O ₃	PH
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PHYSICAL PROPERTIES

Thermal Stability	Specific Gravity	Mohs hardness	Refractive Index	Water soluble matter	LOI @ 1000°C
Up to 600° C	2.6 - 3.2 gr/cm	2.50	1.58	0.50 %	4.20 %

TYPICAL SIEVE ANALYSIS - CUMULATIVE PERCENTAGE RETAINED

B.S. Mesh	Microns	COARSE	MEDIUM	FINE
2	6350	0%		
8	2240	1%	0%	0%
20	850	40 - 60%	15 - 30%	5%
100	150	95%	90%	80%