

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 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.

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	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