

## DRY GROUND MICA POWDERS - STANDARD POWDERS

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

### CHEMICAL PROPERTIES

SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	K <sub>2</sub> O	Na <sub>2</sub> O	MgO	CaO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	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 <sup>6</sup> Pa	71.7 ~ 87.5%	1250° C	> 99.5 %

### PRODUCT SPECIFICATIONS

PRODUCT	Particle Distribution (%)							Bulk density (g/cm <sup>3</sup> )	Quartz content (%)
	+840 µm	+500 µm	+250 µm	+150 µm	+75 µm	+45 µm	-45 µm		
Mica M30	< 1	< 1	55 ± 5	40 ± 5	< 10	1	1	0.3	< 1
Mica M60	-	< 0.01	< 1	45 ± 5	45 ± 5	< 15	1	0.3	< 1.5
Mica M100	-	-	< 0.01	< 1	35 ± 5	35 ± 5	35	0.3	< 1
Mica M200	-	-	-	< 0.01	< 5	10 ± 5	85	0.25	1.5
Mica M325	-	-	-	< 0.01	< 0.05	< 2	98	0.25	1.5

## 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 <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	K <sub>2</sub> O	Na <sub>2</sub> O	MgO	CaO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	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 <sup>6</sup> Pa	71.7 ~ 87.5%	1250° C	> 99.5 %

### PRODUCT SPECIFICATIONS

PRODUCT	Particle Distribution (%)				Bulk density (g/cm <sup>3</sup> )	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