

## 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 - CALCINED

Calcined dry ground mica powders are particularly useful as fillers and extenders for welding rods.



### 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 ~ 3%	8 ~ 11%	0.6 ~ 0.9%	0.5 ~ 0.8%	0.3 ~ 0.6%	0.6 ~ 0.9%	8% max	7.8

### PHYSICAL PROPERTIES

Colour	Melting Point	Purity
Golden	1250°C	> 99.5%

### PRODUCT SPECIFICATIONS

PRODUCT	Particle Distribution (%)				Bulk density (g/ml)
	+400 µm	+160 µm	+100 µm	+45 µm	
Mica C60	< 0.2	10 - 20	45 - 65	< 85	0.3 / 0.4