



MICA POWDER

(Trade Name)

B-82

Product Information	Chemical Name : MICA (MUSCOVITE) , CAS No.12001-26-2		
Feature	<ul style="list-style-type: none"> ◇ Low cost, high quality, and thin flake MICA for filler ◇ Sought-after item for plastics use. ◇ Excellent quality Indian Muscovite used as raw materials. ◇ Particle size: under 0.5mm ◇ Made in Japan. 	Application	<ul style="list-style-type: none"> ◇ Plastics ◇ Building material ◇ Paints ◇ Rubber <p style="text-align: right;">, etc.</p>

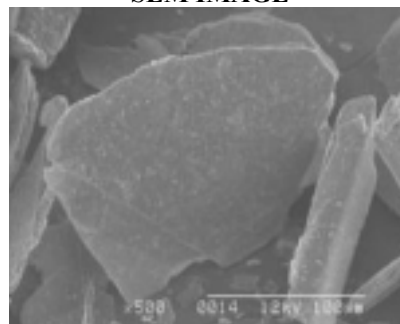
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	180	—	μ m	Value “MV” by laser diffraction
60 mesh on (wet)	—	10	15	%	JIS K 5101
Average aspect ratio	—	100	—	—	SEM image
pH	—	8.5	—	—	PH meter
Whiteness	—	78	—	—	Colorimeter
Loss on drying	—	0.1	0.5	%	Infrared moisture meter
Loss on ignition (500°C)	—	0.5	2	%	500 °C
Bulk density	0.18	0.23	0.29	g/ml	JIS K 5101
Oil absorption	—	65	—	ml/100g	JIS K 5101
Chromium	—	—	10	ppm	ICP
Lead	—	—	10	ppm	AAS
Mercury	—	—	1	ppm	AAS
Cadmium	—	—	5	ppm	ICP

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO ₂	48 %
	Al ₂ O ₃	36 %
	K ₂ O	8 %
	Fe ₂ O ₃	2 %
	SO ₃	1 %
	H ₂ O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.7-3.1	
Dehydrate temperature	550°C	
Melting point	1,250°C	

SEM IMAGE



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* This information is furnished without warranty that it will not be changed in future.

* Specification of this product is to be determined with customers.