MICA POWDER (Product Name) **SYA-21R**

Product Information	Chemical Name : MICA (MUSCOVITE) , CAS No.12001-26-2		
Feature	◇ Low cost and high quality MICA for filler ◇ High quality Indian Muscovite used as raw material. ◇ Extremely smooth surface and high aspect ratio of particles is obtained by our wed grinding method. ◇ The average particle size of 27 microns can be applied for a wide usage. (our 325Mesh grade)	Application	◇ Plastics ◇ Paints ◇ Rubber etc.

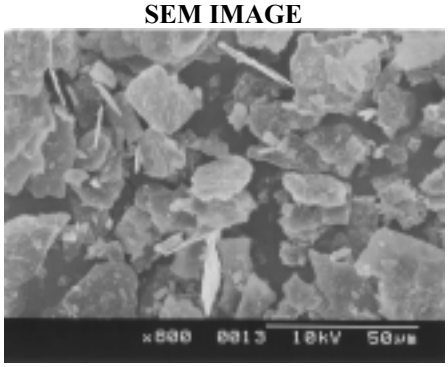
CHARACTERISTICS

TEST ITEM	MIN.	TYP.	MAX.	UNIT	TEST METHOD
Average particle size	—	27	—	μm	Value "MV" by laser diffraction
325 mesh on (wet)	—	0.3	5	%	JIS K 5101
Average aspect ratio	—	90	—	—	SEM image
pH	7	8.5	10	—	PH meter
Whiteness	78	81	—	—	Colorimeter
Loss on drying	—	0.5	1	%	Infrared moisture meter
Loss on ignition	—	0.5	2	%	500 ℃
Bulk density	0.18	0.21	0.28	g/ml	JIS K 5101
Oil absorption	—	70	—	ml/100g	JIS K 5101
Chromium	—	< 1.0	10	ppm	ICP
Lead	—	< 1.0	10	ppm	AAS
Mercury	—	< 0.01	1	ppm	AAS
Cadmium	—	< 1.0	5	ppm	ICP

GENERAL PROPERTIES

ITEM	Typical value	
Appearance	White fine powder	
Composition	SiO_2	48 %
	Al_2O_3	36 %
	K_2O	8 %
	Fe_2O_3	2 %
	SO_3	1 %
	H_2O (as CRYSTALIZATION)	5 %
Mohs' hardness	2.8	
Specific gravity	2.7-3.1	
Dehydrate temperature	550℃	
Melting point	1,250℃	

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.

※※ 粒度分布測定結果 ※※

*** Microtrac (X100) ***

計測回数	1 / 1
サンプル名	SYA-21R
ロット番号	00604
計測日付	06/07/10
計測時刻	16:09

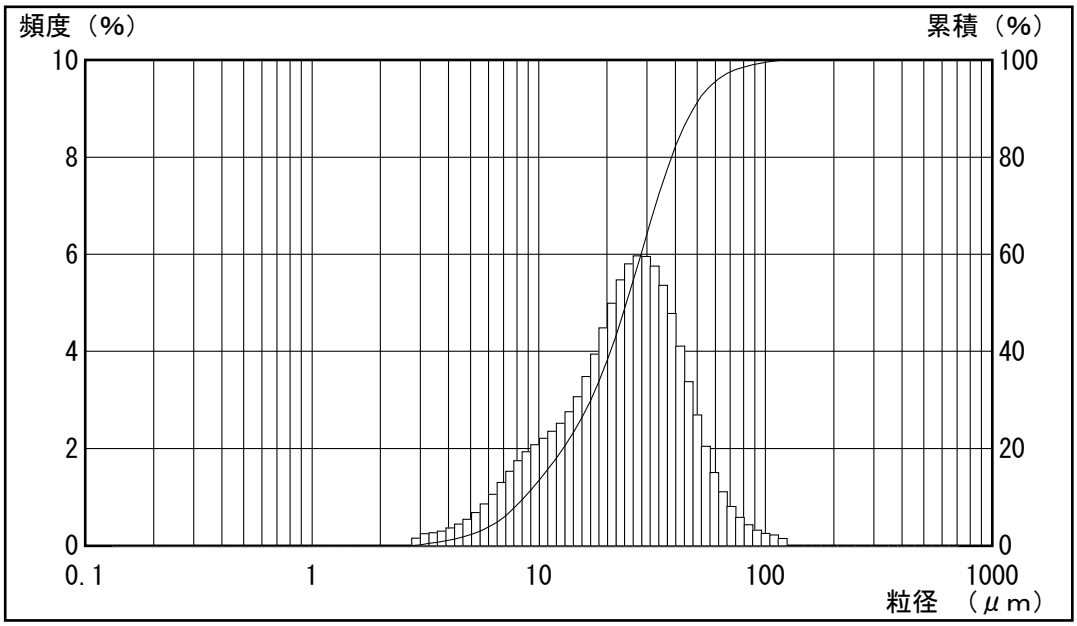
ファイル名	C:¥ﾏｲｸﾛ¥T14.mtd
データアドレス	616
コメント	616
Run Time	30 (sec)
Transmission	0.95

※ 要約データ ※

		mv =	27.23
dv	= 0.1016	mn =	6.589
10%	= 8.681	ma =	17.57
50%	= 24.43	cs =	0.341
90%	= 48.12	sd =	15.38

※ 測定条件 ※

Particle Transparency	:	Reflec
Spherical Particles	:	n/a
Particle Refractive Index	:	n/a
Fluid Refractive Index	:	n/a



ch.	粒径	累積	頻度	ch.	粒径	累積	頻度	ch.	粒径	累積	頻度	ch.	粒径	累積	頻度
1	704.0	100.00	0.00	26	80.70	98.64	0.58	51	9.250	11.42	1.94	76	1.060	0.00	0.00
2	645.6	100.00	0.00	27	74.00	98.06	0.80	52	8.482	9.48	1.75	77	0.972	0.00	0.00
3	592.0	100.00	0.00	28	67.86	97.26	1.11	53	7.778	7.73	1.53	78	0.892	0.00	0.00
4	542.9	100.00	0.00	29	62.23	96.15	1.51	54	7.133	6.20	1.30	79	0.818	0.00	0.00
5	497.8	100.00	0.00	30	57.06	94.64	2.04	55	6.541	4.90	1.06	80	0.750	0.00	0.00
6	456.5	100.00	0.00	31	52.33	92.60	2.69	56	5.998	3.84	0.86	81	0.687	0.00	0.00
7	418.6	100.00	0.00	32	47.98	89.91	3.38	57	5.500	2.98	0.68	82	0.630	0.00	0.00
8	383.9	100.00	0.00	33	44.00	86.53	4.11	58	5.044	2.30	0.54	83	0.578	0.00	0.00
9	352.0	100.00	0.00	34	40.35	82.42	4.78	59	4.625	1.76	0.44	84	0.530	0.00	0.00
10	322.8	100.00	0.00	35	37.00	77.64	5.36	60	4.241	1.32	0.36	85	0.486	0.00	0.00
11	296.0	100.00	0.00	36	33.93	72.28	5.76	61	3.889	0.96	0.30	86	0.446	0.00	0.00
12	271.4	100.00	0.00	37	31.11	66.52	5.96	62	3.566	0.66	0.26	87	0.409	0.00	0.00
13	248.9	100.00	0.00	38	28.53	60.56	5.97	63	3.270	0.40	0.24	88	0.375	0.00	0.00
14	228.2	100.00	0.00	39	26.16	54.59	5.80	64	2.999	0.16	0.16	89	0.344	0.00	0.00
15	209.3	100.00	0.00	40	23.99	48.79	5.47	65	2.750	0.00	0.00	90	0.315	0.00	0.00
16	191.9	100.00	0.00	41	22.00	43.32	4.99	66	2.522	0.00	0.00	91	0.289	0.00	0.00
17	176.0	100.00	0.00	42	20.17	38.33	4.48	67	2.312	0.00	0.00	92	0.265	0.00	0.00
18	161.4	100.00	0.00	43	18.50	33.85	3.95	68	2.121	0.00	0.00	93	0.243	0.00	0.00
19	148.0	100.00	0.00	44	16.96	29.90	3.49	69	1.945	0.00	0.00	94	0.223	0.00	0.00
20	135.7	100.00	0.00	45	15.56	26.41	3.07	70	1.783	0.00	0.00	95	0.204	0.00	0.00
21	124.5	100.00	0.14	46	14.27	23.34	2.76	71	1.635	0.00	0.00	96	0.187	0.00	0.00
22	114.1	99.86	0.22	47	13.08	20.58	2.52	72	1.499	0.00	0.00	97	0.172	0.00	0.00
23	104.7	99.64	0.25	48	12.00	18.06	2.35	73	1.375	0.00	0.00	98	0.158	0.00	0.00
24	95.96	99.39	0.32	49	11.00	15.71	2.21	74	1.261	0.00	0.00	99	0.145	0.00	0.00
25	88.00	99.07	0.43	50	10.09	13.50	2.08	75	1.156	0.00	0.00	100	0.133	0.00	0.00