



Sericite - Mica 40

Potassium Aluminium Silicate - $KAl_2(AlSi_3O_{10})(OH)_2$

Mica is the platy and lamellar structured industrial mineral which can be described as a potassium, aluminium silicate with hydroxyl. Sericite has high purity and low whiteness is obtained from enrichment and fine grinding process of purest mica ores with low iron oxide and free SiO₂ content.

Optical Properties

(Datacolor Elrepho 2000)

Ry Brightness (DIN 53163)	81-83% min
L* / a* / b*	92-93% / 0.6 / 3
Yellowness	7% max

Physical Properties

Ph Value (ISO 787-7)	7.5
Bulk Density (ISO 787-10)	0.28-0.30 gr/cm³
Humidity (ISO 787-2)	0.5 max
Hardness (Mohs)	2.5
Oil Absortion (ISO 787-5)	14-18 gr / 100 gr

Particle Size

(Malvern Mastersizer S)

D50	20 μm (± 1 μm)
D97	65 μm (± 2 μm)
Under 2 micron	5% min
45 micron sieve residue (ISO 787-7)	12% min

Chemical Properties

(XRF)

Al ₂ O ₃	30-32%	SiO ₂	44-46%
K ₂ O	10-12%	CaO	0.5% max
MgO	2% max	Na ₂ O	0.5% max
Fe ₂ O ₃	3% max	LOI	5% max

Packaging

25 Kg paper bags on pallets by stretch wrap / 1.000 Kg Big Bags as bulk shipment



Sericite - Mica 80

Potassium Aluminium Silicate - $KAl_2(AlSi_3O_{10})(OH)_2$

Mica is the platy and lamellar structured industrial mineral which can be described as a potassium, aluminium silicate with hydroxyl. Sericite has high purity and low whiteness is obtained from enrichment and fine grinding process of purest mica ores with low iron oxide and free SiO₂ content.

Optical Properties

(Datacolor Elrepho 2000)

Ry Brightness (DIN 53163)	81-83% min
L* / a* / b*	92-93% / 0.6 / 3
Yellowness	7% max

Physical Properties

Ph Value (ISO 787-7)	7.5
Bulk Density (ISO 787-10)	0.28-0.30 gr/cm³
Humidity (ISO 787-2)	0.5 max
Hardness (Mohs)	2.5
Oil Absorption (ISO 787-5)	14-18 gr / 100 gr

Particle Size

(Malvern Mastersizer S)

D50	38 μm (± 1 μm)
D97	140 μm (± 2 μm)
Under 2 micron	2.5% min
45 micron sieve residue (ISO 787-7)	40% min

Chemical Properties

(XRF)

Al ₂ O ₃	30-32%	SiO ₂	44-46%
K ₂ O	10-12%	CaO	0.5% max
MgO	2% max	Na ₂ O	0.5% max
Fe ₂ O ₃	3% max	LOI	5% max

Packaging

25 Kg paper bags on pallets by stretch wrap / 1.000 Kg Big Bags as bulk shipment



Sericite - Mica 300

Potassium Aluminium Silicate - $KAl_2(AlSi_3O_{10})(OH)_2$

Mica is the platy and lamellar structured industrial mineral which can be described as a potassium, aluminium silicate with hydroxyl. Sericite has high purity and low whiteness is obtained from enrichment and fine grinding process of purest mica ores with low iron oxide and free SiO₂ content.

Optical Properties

(Datacolor Elrepho 2000)

Ry Brightness (DIN 53163)	60-62% min
L* / a* / b*	81-82% / 0.8 / 6
Yellowness	12% max

Physical Properties

Ph Value (ISO 787-7)	7.5
Bulk Density (ISO 787-10)	0.28-0.30 gr/cm³
Humidity (ISO 787-2)	0.5 max
Hardness (Mohs)	2.5
Oil Absortion (ISO 787-5)	14-18 gr / 100 gr

Particle Size

(Malvern Mastersizer S)

D50	108 μm (± 2 μm)
D97	224 μm (± 2 μm)
Under 2 micron	2% min
45 micron sieve residue (ISO 787-7)	6% min

Chemical Properties

(XRF)

Al ₂ O ₃	60-62%	SiO ₂	60-62%
K ₂ O	60-62%	CaO	0.5% max
MgO	2% max	Na ₂ O	0.5% max
Fe ₂ O ₃	3% max	LOI	5% max

Packaging

25 Kg paper bags on pallets by stretch wrap / 1.000 Kg Big Bags as bulk shipment