

Technical Data Sheet (Specification)

Pearlescent Pigments is made based on Natural Mica(Normal Series), Synthetic Mica(Crystal Series), Glass(Diamond Series), Synthetic Mica also called Fluorophlogopite and Glass also called Calcium Aluminum Borosilicate. Based on these materials, we coated with Metal Oxide like TiO₂, Fe₂O₃, SiO₂, SnO₂ etc. Pearlescent Pigment will show very attractive lustre effect with various colors, could be used in various products.

1. Product Identification

Product Name : Iridiscent pigment,
Industry Name : Pearl Pigment, Pearlescent, Mica Powder, Effect Pigment
Application : Paint&Coating, Ink&Printing, Wallpaper, Plastic, Textile, Epoxy Resin, etc

2. Physical and Chemical Properties

Appearance : powder form
Color : colorful
Particle Size : 10-60µm
PH Value : 7.0-11.0
Density : 2.8-3.4g/cm³
Oil absorption : 70-90 g/100g
Toxic : Non Toxic
Microbiology : <100 cfu/g No gram negative

3. Ingredients & Composition

Name	INCI Name	CAS No.	EC No.	CI No.	Weight
Natural Mica	MICA	12001-26-2	N/A	77019	57.0-62.0%
Titanium dioxide	CI 77891	13463-67-7	236-675-5	77891	38.0-43.0%
Tin dioxide	TIN OXIDE	18282-10-5	242-159-0	77861	<1.0%

4. Heavy Metals

Testing is under European directive 2009/48 EC;						Results is showed based Maximum PPM						
Test Method: EN71-3:2013 & A2:2007						Analysis performance: ICP-MS/GC-MS/IC-UV						
Item	Cr(VI)	Pb	Sb	As	Ba	Cd	Hg	Co	Zn	Cu	Ni	Sn
Result	0.018	0.5	1.0	0.5	50	0.1	0.5	0.5	50.0	50.0	10.0	0.36

5. Microbial Purity

Item	Result
Total Viable Aerobic Count	< 100CFU/g
<i>E.coli</i>	Absent in 1 g
<i>Pseudomonas aeruginosa</i>	Absent in 1 g
<i>Staphylococcus aureus</i>	Absent in 1 g
<i>Salmonella species</i>	Absent in 1 g
<i>Gram negative bacteria</i>	Absent in 1 g
<i>Candida albicans</i>	Absent in 1 g

6. Package & Storage

Package : 25kg in Fiber Drum

Storage : Care should be taken not to expose radiation curable products to temperatures exceeding 100° F for prolonged periods of time or to direct sunlight. Storage must be in a cool, shaded, well-ventilated and dry area. To do otherwise might cause uncontrollable polymerization of the product with generation of heat. Do not store this material under an oxygen-free atmosphere.

Shelf Life : 24 months from manufacture date in originally sealed containers.

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