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Technical Data Sheet (Specification)

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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 TiO_2, Fe_2O_3, SiO_2, SnO_2 etc. Pearlescent Pigment will show very attractive lustre effect with various colors, could be used in various products.

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1. Product Identification

Product Name : **Pearl 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 : colorful powder.

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	63.0-72.0%
Titanium dioxide	CI 77891	13463-67-7	236-675-5	77891	28.0-37.0%
Colorants	**Colorants**	/	/	/	＜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

RESINAS CASTRO S.L.
Pol. Ind. A Granxa, 3ª Paralela
C/Cíes 190, 36400 O Porriño – ESPAÑA

Tlf.: +34 986 342 955 Fax: +34 986 342 520
E-mail: shop@castrocomposites.com
Web: www.castrocomposites.com

5. Microbial Purity

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