Gafast Pigment Yellow 138 - TR

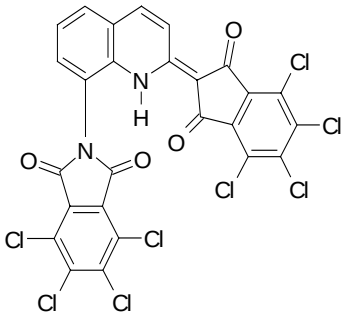
Chemical Class : Quinophthalone

C.I.Name : Pigment Yellow 138

C.I. Number. : 56300

Transparent yellow pigment with high tinctorial strength, good fastness properties and good heat stability. Suitable mainly for solvent-borne coatings, water-borne coatings & for coloration of plastics.

Chemical Structure:



Full shade

Reduction
1:16 TiO_2

Product Specification:

Physical Data:	
Physical form	Powder
Specific Surface Area (BET), (m^2/g)	21 - 25
Average Particle size, (μm)	≅ 0.124
Oil Absorption Value, (g/100g)	41 - 43
pH of 10% extract	6.5 - 7.2

Resistance to Solvents:

Water	5
Mineral Turpentine oil	5
n-Butanol	5
Xylene	3 - 4
Toluene	3 - 4
Butyl l Cellosolve	5
Butyl acetate	4 - 5

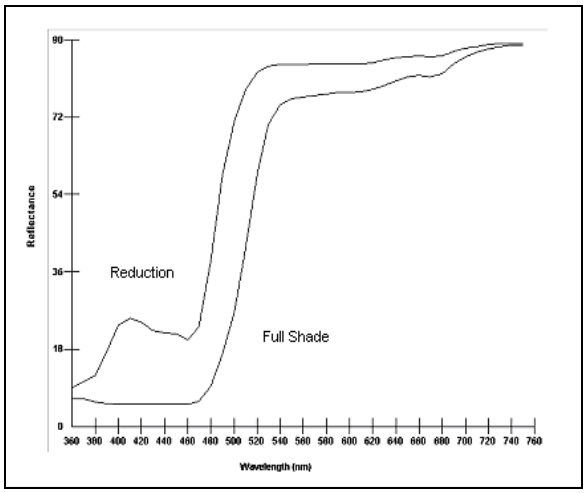
Weather fastness:

	Full shade	Reduction
Alkyd/melamine	4 - 5	3 - 4
Acrylic/melamine	4 - 5	3 - 4
Air-drying Alkyd	4 - 5	4 - 5

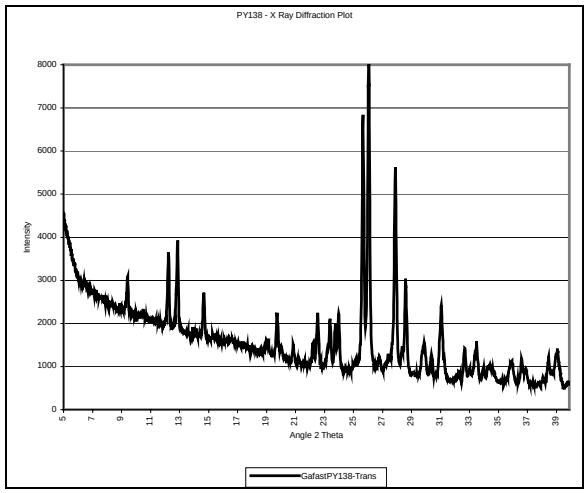
Fastness to Over coating: 5

Suitability For: (+ = Suitable)

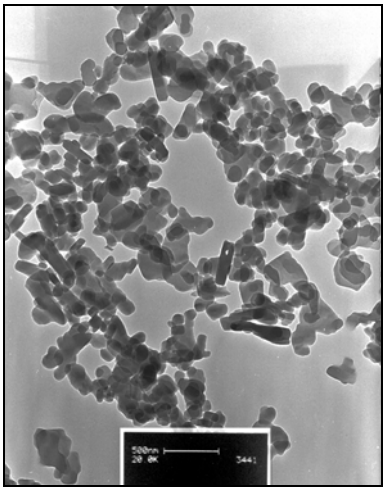
Water borne system	+
Baking system	+
Acrylic-isocyanate system	+
Air drying system	+



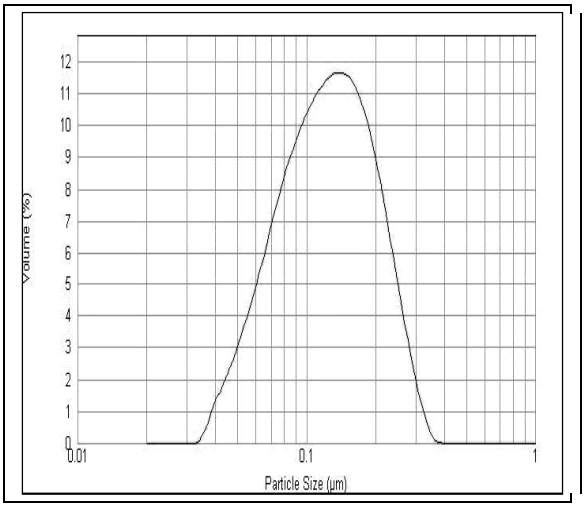
Reflectance Curve (Stoving Paint)
Full Shade (5%) & Reduction (1:16TiO_2)



X-ray Diffractogram



Transmission Electron Micrograph (TEM)



Particle Size Distribution

Note:
Information given in this technical data sheet is based on current knowledge and our laboratory evaluation; it is presented as our opinion without any guarantee. Buyers must carry out their own tests and experiments to determine the suitability and completeness of our products for their use and application.