

Gafast Pigment Yellow 120

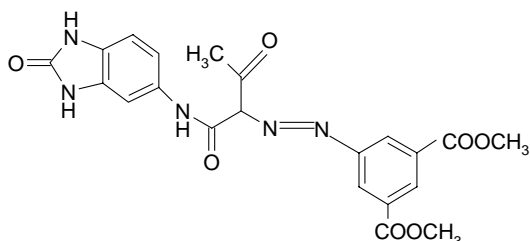
Chemical Class : Benzimidazolone

Chemical Structure:

C.I.Name : Pigment Yellow 120

C.I. No. : 11783

Medium yellow pigment with excellent fastness to light & weathering. Mainly suitable for Automotive paints & Plastic Coloration.



Full Shade

Product specification:

Physical Data:

Physical form	Powder
Specific Surface Area (BET), (m ² /g)	28 – 30
Average Particle size, (μm)	≅ 0.146
Oil Absorption Value, (g/100g)	48 – 50
pH of 10% extract	6.0 – 8.0

Resistance to Solvents:

Water	5
Mineral Turpentine oil	5
n-Butanol	5
Xylene	4 – 5
Butyl Acetate	5
MEK	4 - 5

Heat Stability:

240°C

Weather fastness:

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

Fastness to Over coating:

5

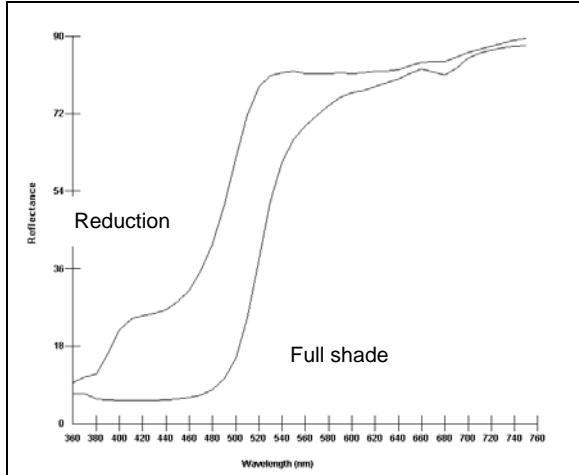


Reduction
1:16 TiO₂

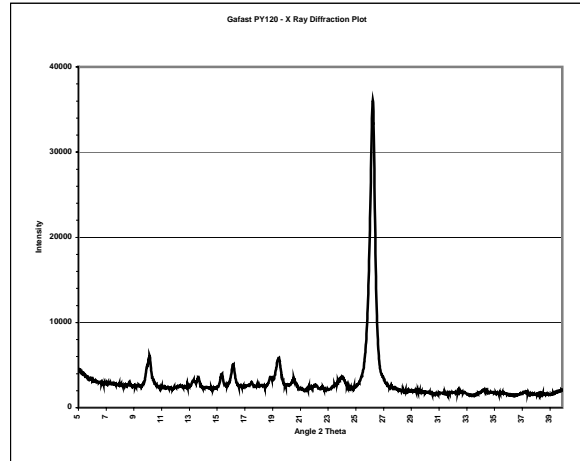
Gafast Pigment yellow 120 Continued

Suitability For: (+ = Suitable, 0 = Not Suitable)

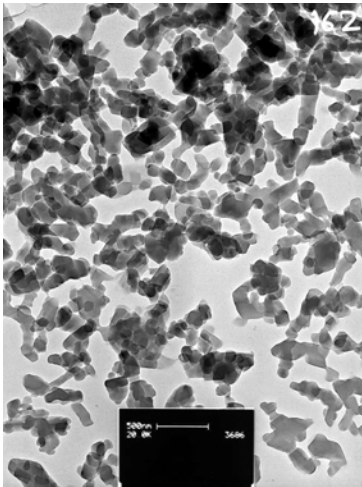
Water borne system	+
Baking system	+
Acrylic-isocyanate system	+
Acid curing systems	0
Amine curing systems	0
Air drying system	+



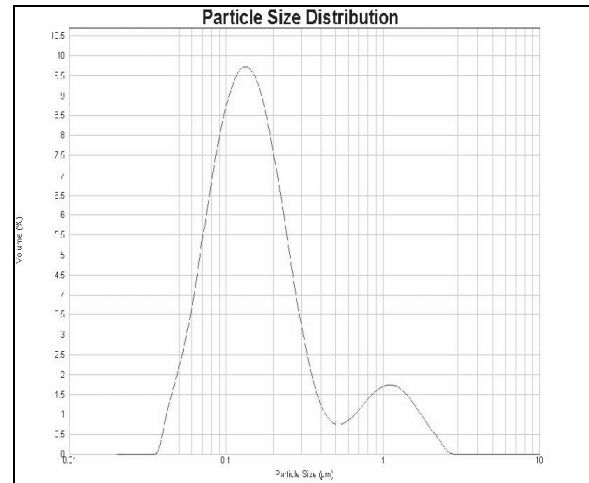
Reflectance Curve (Stoving Paint)
Full shade (5%) & Reduction (1:16)



X-ray Diffractogram



Transmission Electron micrograph



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.

