



2280 Benzimidazolone Yellow 180

Description: 2280 is a non-warping green shade yellow with excellent heat stability recommended for plastic applications. FDA approved (Section 178.3297).

Chemical Type	Benzimidazolone Yellow	Constitution No.	21290
Color Index	Pigment Yellow 180	CAS No.	77804-81-0

Resistance Properties

MEK	4	Ethanol	4
Water	5	Ethyl Acetate	4 - 5
Mineral Spirits	4 - 5	Acid	5
Xylene	4 - 5	Alkali	5

Legend: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent

Product Characteristics

Migration (1-5)	5	Lightfastness (1-8): Masstone	6 - 7
Heat Stability (°C/°F)	290°C (HDPE)	Lightfastness (1-8): Tint 1:10	6 - 7
Warpage Rating (1-3) * Plastic Only	1	Weatherfastness (1-5): Masstone	
Overpaint Resistance * Paints Only		Weatherfastness (1-5): Tint 1:10	

Warpage: 1 = minimal, 2 = some, 3 = severe Weatherfastness: 1=Poor, 2=Fair, 3=Good, 4=Very Good, 5=Excellent Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=Very Good, 8=Excellent

Physical Properties

Particle Size (µm)		pH	5.5 - 7.5
Specific Surface Area (m²/g)		Specific Gravity	1.4
Oil Absorption (g/100g)		Bulk Density (kg/L)	
Moisture Content (%)	< 2.0%	Bulk Volume (L/kg)	

Applications

Plastics		Coatings		Inks		Other	
PVC	■	Decorative	<input type="checkbox"/>	Water Flexo	<input type="checkbox"/>	Paper	
PE	■	Automotive/Aerospace	<input type="checkbox"/>	Solvent Flexo	<input type="checkbox"/>	Rubber	■
PP	■	Industrial	<input type="checkbox"/>	InkJet	<input type="checkbox"/>	Finger Paints	
PS	■	Powder	<input type="checkbox"/>	UV	<input type="checkbox"/>	Seed Coatings	
PET	□			Offset	<input type="checkbox"/>		
Fiber	■						

Not Frequently Used Limited Recommended

Comments:

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