



2181 Benzimidazolone Yellow 181

Description: 2181 is a red shade, non-warping yellow with excellent lightfastness and heat stability recommended for plastics applications. FDA approved (Section 178.3297).

Chemical Type	Benzimidazolone Yellow	Constitution No.	11777
Color Index	Pigment Yellow 181	CAS No.	74441-05-7

Resistance Properties

MEK	5	Ethanol	5
Water	5	Ethyl Acetate	4 - 5
Mineral Spirits	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	8
Heat Stability (°C/°F)	299°C (HDPE)	Lightfastness (1-8): Tint 1:10	8
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	5.0 - 7.5
Specific Surface Area (m²/g)		Specific Gravity	1.5
Oil Absorption (g/100g)		Bulk Density (kg/L)	
Moisture Content (%)	≤ 1.0%	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	■	Rubber	■
PP	■	Industrial	■	InkJet	<input type="checkbox"/>	Finger Paints	
PS	■	Powder	■	UV	<input type="checkbox"/>	Seed Coatings	
PET	□			Offset	<input type="checkbox"/>		
Fiber	■						

Not Frequently Used Limited Recommended

Comments:

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