



2583 Diarylide Yellow 83

Description: 2583 is a very strong, bright and transparent red shade diarylide yellow with good lightfastness and bleed properties.

Chemical Type	Diarylide Yellow	Constitution No.	21108
Color Index	Pigment Yellow 83	CAS No.	5567-15-7

Resistance Properties

MEK	3	Ethanol	4
Water	5	Ethyl Acetate	4
Mineral Spirits	5	Acid	5
Xylene	3 - 4	Alkali	5

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

Product Characteristics

Migration (1-5)		Lightfastness (1-8): Masstone	6 - 7
Heat Stability (°C/°F)	199°C (Paints) 199°C (HDPE)	Lightfastness (1-8): Tint 1:10	6
Warping Rating (1-3) * Plastic Only		Weatherfastness (1-5): Masstone	
Overpaint Resistance * Paints Only		Weatherfastness (1-5): Tint 1:10	

Warping: 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	1.5
Oil Absorption (g/100g)	65 - 75	Bulk Density (kg/L)	
Moisture Content (%)	≤ 1.0%	Bulk Volume (L/kg)	

Applications

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

Not Frequently Used Limited Recommended

Comments: At temperatures >200°C, when incorporated in polymers, the pigment may decompose to form measurable amounts of DCB, which is a suspect human carcinogen.

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