



DCC Yellow 1245

Description: DCC Yellow 1245 is a semi- opaque red shade yellow pigment used in coatings, inks and plastics.

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

Resistance Properties

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

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)	180°C (Paints) 200°C (HDPE)	Lightfastness (1-8): Tint 1:10	6-7
Warpage Rating (1-3) * Plastic Only	3	Weatherfastness (1-5): Masstone	3
Overpaint Resistance * Paints Only		Weatherfastness (1-5): Tint 1:10	1

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	5.5-8.5
Specific Surface Area (m²/g)		Specific Gravity	1.4
Oil Absorption (g/100g)	44	Bulk Density (kg/L)	
Moisture Content (%)	<2.0%	Bulk Volume (L/kg)	

Applications

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

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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