DCL-2583 Diarylide Yellow, PY.83

Description: DCL-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
Warpage Rating (1-3) * Plastic Only		**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 (m^2/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**	□	**Water Flexo**	■	**Paper**	
PE	■	**Automotive/Aerospace**	□	**Solvent Flexo**	■	**Rubber**	■
PP	■	**Industrial**	■	**InkJet**	■	**Finger Paints**	
PS	□	**Powder**	■	**UV**	■	**Seed Coatings**	
PET	□			**Offset**	□		
Fiber	◘						

□ Not Frequently Used ◘ Limited ■ Recommended

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

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