DCL-1245 Diarylide Yellow, PY.83

Description: DCL-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)	3	**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 (m^2/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	■	**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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