



# DCC Yellow 1242

**Description:** DCC Yellow 1242 is a semi- opaque red shade yellow pigment used in coatings, inks and plastics.

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

## Resistance Properties

<b>MEK</b>	4	<b>Ethanol</b>	4
<b>Water</b>	5	<b>Ethyl Acetate</b>	3
<b>Mineral Spirits</b>	4	<b>Acid</b>	4
<b>Xylene</b>	3	<b>Alkali</b>	4

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

## Product Characteristics

<b>Migration (1-5)</b>		<b>Lightfastness (1-8): Masstone</b>	6-7
<b>Heat Stability (°C/°F)</b>	180°C (Paints) 200°C (HDPE)	<b>Lightfastness (1-8): Tint 1:10</b>	6-7
<b>Warpage Rating (1-3) * Plastic Only</b>	3	<b>Weatherfastness (1-5): Masstone</b>	3
<b>Overpaint Resistance * Paints Only</b>		<b>Weatherfastness (1-5): Tint 1:10</b>	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

<b>Particle Size (µm)</b>		<b>pH</b>	5.5-8.5
<b>Specific Surface Area (m<sup>2</sup>/g)</b>		<b>Specific Gravity</b>	1.4
<b>Oil Absorption (g/100g)</b>	44	<b>Bulk Density (kg/L)</b>	
<b>Moisture Content (%)</b>	<2.0%	<b>Bulk Volume (L/kg)</b>	

## Applications

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