



1166 Disazo Scarlet 166

Description: 1166 is a transparent, yellow shade red with excellent heat stability and very good fastness properties.

Chemical Type	Disazo Scarlet	Constitution No.	20730
Color Index	Pigment Red 166	CAS No.	3905-19-9

Resistance Properties

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

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

Product Characteristics

Migration (1-5)	5	Lightfastness (1-8): Masstone	7 - 8
Heat Stability (°C/°F)	200°C (Paints) 299°C (HDPE)	Lightfastness (1-8): Tint 1:10	7 - 8
Warpage Rating (1-3) * Plastic Only		Weatherfastness (1-5): Masstone	
Overpaint Resistance * Paints Only	5	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	6.0 - 7.5
Specific Surface Area (m²/g)		Specific Gravity	1.5
Oil Absorption (g/100g)		Bulk Density (kg/L)	
Moisture Content (%)	≤ 1.0%	Bulk Volume (L/kg)	

Applications

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

Not Frequently Used Limited Recommended

Comments:

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