DCL-1166 Disazo Scarlet, PR.166

Description: DCL-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 (m^2/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	☐	**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:

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