DCL-5051 Phthalo Blue, PB.15:1

Description: DCL-5051 is an alpha crystal form red shade phthalocyanine blue rendered solvent stable. DCL-5051 is FDA approved (Section178.3297)

Chemical Type	Phthalo Blue	**Constitution No.**	74160
Color Index	Pigment Blue 15:1	**CAS No.**	147-14-8

Resistance Properties

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

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

Product Characteristics

Migration (1-5)	5	**Lightfastness (1-8): Masstone**	8
Heat Stability (°C/°F)	200°C (Paints) 280°C (PP)	**Lightfastness (1-8): Tint 1:10**	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 - 8.0
Specific Surface Area (m^2/g)		**Specific Gravity**	1.6
Oil Absorption (g/100g)	36 - 43	**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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