DCL-5093 Phthalo Blue, PB.15:3

Description: DCL-5093 is a low-cost green shade phthalocyanine blue for plastics. DCL-5093 is FDA Approved (Section 178.3297).

Chemical Type	Phthalo Blue	**Constitution No.**	74160
Color Index	Pigment Blue 15:3	**CAS No.**	147-14-8

Resistance Properties

MEK	5	**Ethanol**	5
Water	5	**Ethyl Acetate**	5
Mineral Spirits	5	**Acid**	5
Xylene	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**	8
Heat Stability (°C/°F)	290°C (HDPE)	**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**	5.0 - 7.5
Specific Surface Area (m^2/g)		**Specific Gravity**	1.6
Oil Absorption (g/100g)	35 - 45	**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:

DISCLAIMER OF LIABILITY FOR RELIANCE ON INFORMATION PROVIDED BY DCL: The information contained herein is true and accurate to the best of our knowledge and are deemed as typical values, being therefore provided without warranty or guarantee. Since the conditions of use are beyond our control, DCL disclaims all liability and assumes no legal responsibility for damages resulting from use of or reliance upon the information contained herein. DCL strongly recommends careful screening/testing before using its products in production.