DCL-4427 Phthalocyanine Green, PG.7

Description: DCL-4427 is a copper phthalocyanine green pigment for use in plastics applications where high heat stability is required.

Chemical Type	Copper Phthalocyanine Green	**Constitution No.**	74260
Color Index	Pigment Green 7	**CAS No.**	1328-53-6

Resistance Properties

MEK	4	**Ethanol**	5
Water	4	**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)	300°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	8
Warpage Rating (1-3) * Plastic Only	3	**Weatherfastness (1-5): Masstone**	5
Overpaint Resistance * Paints Only		**Weatherfastness (1-5): Tint 1:10**	5

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**	5.5-8.5
Specific Surface Area (m^2/g)		**Specific Gravity**	1.5
Oil Absorption (g/100g)	32	**Bulk Density (kg/L)**	
Moisture Content (%)	<2.0%	**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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