DCL-7151 Benzimidazolone Yellow, PY.151

Description: DCL-7151 is a high-performance green shade yellow pigment for use in high-end coatings applications where excellent weatherfastness is required. It is also recommended for various plastic applications.

Chemical Type	Benzimidazolone Yellow	**Constitution No.**	13980
Color Index	Pigment Yellow 151	**CAS No.**	31837-42-0

Resistance Properties

MEK	5	**Ethanol**	4
Water	5	**Ethyl Acetate**	5
Mineral Spirits	5	**Acid**	5
Xylene	5	**Alkali**	3

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

Product Characteristics

Migration (1-5)		**Lightfastness (1-8): Masstone**	8
Heat Stability (°C/°F)	200°C (Paints) 280°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	7-8
Warpage Rating (1-3) * Plastic Only	2	**Weatherfastness (1-5): Masstone**	5
Overpaint Resistance * Paints Only	5	**Weatherfastness (1-5): Tint 1:10**	4-5

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)	33	**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: This pigment is not recommended for high alkali systems.

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