DCL-7180 Benzimidazolone Yellow, PY.180

Description: DCL-7180 is a high performance green shade yellow pigment used in high-end plastic applications where very good dispersion and heat stability is required. FDA Approved.

Chemical Type	Benzimidazolone Yellow	**Constitution No.**	21290
Color Index	Pigment Yellow 180	**CAS No.**	77804-81-0

Resistance Properties

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

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

Product Characteristics

Migration (1-5)	5	**Lightfastness (1-8): Masstone**	6-7
Heat Stability (°C/°F)	280°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	6
Warpage Rating (1-3) * Plastic Only	1	**Weatherfastness (1-5): Masstone**	4
Overpaint Resistance * Paints Only		**Weatherfastness (1-5): Tint 1:10**	1

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**	1.4
Oil Absorption (g/100g)	53	**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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