DCL-2180 Benzimidazolone Yellow, PY.180

Description: DCL-2180 is a non-warping green shade yellow with excellent heat stability recommended for plastics applications. FDA approved (Section 178.3297).

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

Resistance Properties

MEK		**Ethanol**	4
Water	5	**Ethyl Acetate**	4 - 5
Mineral Spirits	4 - 5	**Acid**	5
Xylene	4 - 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**	6 - 7
Heat Stability (°C/°F)	280°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	6 - 7
Warpage Rating (1-3) * Plastic Only	1	**Weatherfastness (1-5): Masstone**	
Overpaint Resistance * Paints Only		**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**	5.5 - 7.5
Specific Surface Area (m^2/g)		**Specific Gravity**	1.4
Oil Absorption (g/100g)		**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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