DCL-2113 Pyrazolone Orange, PO.13

Description: DCL-2113 is a bright, clean, transparent Pyrazolone Orange with excellent tinting strength. DCL-2113 has fair lightfastness in masstone/deep shades and is poor in tints.

Chemical Type	Pyrazolone Orange	**Constitution No.**	21110
Color Index	Pigment Orange 13	**CAS No.**	3520-72-7 / 222-530-3

Resistance Properties

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

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

Product Characteristics

Migration (1-5)		**Lightfastness (1-8): Masstone**	5 - 6
Heat Stability (°C/°F)	177°C (Paints) 188°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	3
Warpage Rating (1-3) * Plastic Only		**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**	5.0 - 6.5
Specific Surface Area (m^2/g)		**Specific Gravity**	1.3
Oil Absorption (g/100g)	40 - 50	**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: At temperatures >200°C, when incoporated in polmyers, the pigment may decompose to form measurable amounts of DCB, which is a suspect human carcinogen.

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