DCL-1816 Dianisidine Orange, PO.16

Description: DCL-1816 is a blue shade orange pigment for use in plastic, ink and coating applcations. DCL-1816 can also be used as a lead free alternative to molybdate orange.

Chemical Type	Dianisidine Orange	**Constitution No.**	21160
Color Index	Pigment Orange 16	**CAS No.**	6505-28-8

Resistance Properties

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

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

Product Characteristics

Migration (1-5)		**Lightfastness (1-8): Masstone**	6
Heat Stability (°C/°F)	200°C (Paints) 240°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	5
Warpage Rating (1-3) * Plastic Only	3	**Weatherfastness (1-5): Masstone**	3
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**	1.3
Oil Absorption (g/100g)	30	**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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