DCL-06-905 DNA Orange, PO.5

Description: DCL-06-905 is a bright, somewhat opaque orange pigment with good lightfastness. 06-905 is used in some applications to replace molybdate oranges.

Chemical Type	DNA Orange	**Constitution No.**	12075
Color Index	Pigment Orange 5	**CAS No.**	3468-63-1

Resistance Properties

MEK		**Ethanol**	3
Water	5	**Ethyl Acetate**	
Mineral Spirits	4	**Acid**	5
Xylene	2	**Alkali**	5

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)	160°C (Paints) 138°C (Inks)	**Lightfastness (1-8): Tint 1:10**	5
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**	4.0 - 7.5
Specific Surface Area (m^2/g)		**Specific Gravity**	1.5
Oil Absorption (g/100g)	45 - 55	**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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