DCL-2413 Diarylide Yellow, PY.13

Description: DCL-2413 is an AAMX medium shade diarylide yellow offering good opacity and tinting strength compared to other diarylide pigments.

Chemical Type	Diarylide Yellow	**Constitution No.**	21100
Color Index	Pigment Yellow 13	**CAS No.**	5102-83-0

Resistance Properties

MEK	4 - 5	**Ethanol**	5
Water	5	**Ethyl Acetate**	
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**	6
Heat Stability (°C/°F)	199°C (Paints) 199°C (HDPE)	**Lightfastness (1-8): Tint 1:10**	4 - 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**	5.0 - 7.5
Specific Surface Area (m^2/g)		**Specific Gravity**	0.0
Oil Absorption (g/100g)	49	**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: At temperatures >200°C, when incoporated in polmyers, the pigment may decompose to form measurable amounts of DCB, which is a suspect human carcinogen.

DISCLAIMER OF LIABILITY FOR RELIANCE ON INFORMATION PROVIDED BY DCL: The information contained herein is true and accurate to the best of our knowledge and are deemed as typical values, being therefore provided without warranty or guarantee. Since the conditions of use are beyond our control, DCL disclaims all liability and assumes no legal responsibility for damages resulting from use of or reliance upon the information contained herein. DCL strongly recommends careful screening/testing before using its products in production.

Version 2. July 2022