



2413 Diarylide Yellow 13

Description: 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 (m²/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	<input type="checkbox"/>	Water Flexo	■	Paper	
PE	□	Automotive/Aerospace	<input type="checkbox"/>	Solvent Flexo	<input type="checkbox"/>	Rubber	■
PP	<input type="checkbox"/>	Industrial	<input type="checkbox"/>	InkJet	<input type="checkbox"/>	Finger Paints	
PS	<input type="checkbox"/>	Powder	■	UV	<input type="checkbox"/>	Seed Coatings	
PET	<input type="checkbox"/>			Offset	■		
Fiber	<input type="checkbox"/>						

Not Frequently Used Limited Recommended

Comments: At temperatures >200°C, when incorporated in polymers, the pigment may decompose to form measurable amounts of DCB, which is a suspect human carcinogen.

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