



See The Difference We Make

GemSperse Trans Yellow EX42

Description: Surfactant and Water Based Dispersion of Transparent Yellow 42

Chemical Type	Transparent Yellow Iron Oxide	Constitution No.	77492
Color Index	Pigment Yellow 42	CAS No.	51274-00-1

Resistance Properties

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

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

Product Characteristics

Heat Stability (°C/°F)	200°C	Weatherfastness (1-5): Masstone
Lightfastness (1-8): Masstone	8	Weatherfastness (1-5): Tint 1:10
Lightfastness (1-8): Tint 1:10	8	

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

Lightfastness: 1-2=Poor, 3-4=Fair, 5=Good, 6-7=VG, 8=Excellent

Physical Properties

Fineness of Grind (µm)	<10	Specific Gravity	1.3 - 1.5
Volatile Organic Content (ppm)	<700	Viscosity (cP)	66 - 200
pH	8 - 10	Pigment Content (%)	35

Applications

Plastics		Coatings		Inks		Other	
PVC	<input type="checkbox"/>	Decorative	<input checked="" type="checkbox"/>	Water Flexo	<input checked="" type="checkbox"/>	Paper	<input type="checkbox"/>
PE	<input type="checkbox"/>	Automotive/Aerospace	<input checked="" type="checkbox"/>	Solvent Flexo	<input type="checkbox"/>	Rubber Latex	<input checked="" type="checkbox"/>
PP	<input type="checkbox"/>	Industrial	<input checked="" type="checkbox"/>	InkJet	<input type="checkbox"/>	Finger Paints	<input type="checkbox"/>
PS	<input type="checkbox"/>	Powder	<input type="checkbox"/>	UV	<input checked="" type="checkbox"/>	Seed Coatings	<input checked="" type="checkbox"/>
PET	<input type="checkbox"/>			Offset	<input checked="" type="checkbox"/>		

Not Frequently Used Limited Recommended

Comments: A wide range of dull yellow shades with low tinting strength, but excellent fastness to light, solvents and chemicals and a relatively low price. Normally opaque. Transparent grades are more expensive and widely used for transparent wood finishes.

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