



See The Difference We Make

# GemSperse Yellow EX42

**Description: Surfactant and Water Based Dispersion of Opaque Yellow 42**

<b>Chemical Type</b>	Opaque Yellow Iron Oxide	<b>Constitution No.</b>	77492
<b>Color Index</b>	Pigment Yellow 42	<b>CAS No.</b>	51274-00-1

## Resistance Properties

<b>MEK</b>	5	<b>Ethanol</b>	5
<b>Water</b>	5	<b>Ethyl Acetate</b>	5
<b>Mineral Spirits</b>	5	<b>Acid</b>	4
<b>Xylene</b>	5	<b>Alkali</b>	5

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

## Product Characteristics

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

<b>Fineness of Grind (µm)</b>	<10	<b>Specific Gravity</b>	1.8 - 2
<b>Volatile Organic Content (ppm)</b>	<700	<b>Viscosity (cP)</b>	1500 - 4500
<b>pH</b>	8 - 9.5	<b>Pigment Content (%)</b>	60

## 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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