



See The Difference We Make

# GemSperse Yellow EX1

**Description: Surfactant and Water Based Dispersion of Yellow 1**

<b>Chemical Type</b>	Monoazo Yellow	<b>Constitution No.</b>	11680
<b>Color Index</b>	Pigment Yellow 1	<b>CAS No.</b>	2512-29-0

## Resistance Properties

<b>MEK</b>	3	<b>Ethanol</b>	4
<b>Water</b>	4	<b>Ethyl Acetate</b>	3
<b>Mineral Spirits</b>	4	<b>Acid</b>	5
<b>Xylene</b>	2-3	<b>Alkali</b>	5

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

## Product Characteristics

<b>Heat Stability (°C/°F)</b>	140°C	<b>Weatherfastness (1-5): Masstone</b>
<b>Lightfastness (1-8): Masstone</b>	6	<b>Weatherfastness (1-5): Tint 1:10</b>
<b>Lightfastness (1-8): Tint 1:10</b>	5	

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 - 1.3
<b>Volatile Organic Content (ppm)</b>	<700	<b>Viscosity (cP)</b>	1000 - 3000
<b>pH</b>	8 - 9.5	<b>Pigment Content (%)</b>	43

## 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 checked="" type="checkbox"/>	Finger Paints <input type="checkbox"/>
PS <input type="checkbox"/>	Powder <input type="checkbox"/>	UV <input type="checkbox"/>	Seed Coatings <input checked="" type="checkbox"/>
PET <input type="checkbox"/>		Offset <input checked="" type="checkbox"/>	

Not Frequently Used     Limited     Recommended

**Comments: A mid-shade yellow with moderate color strength. Good fastness to light and chemicals, but only moderate solvent fastness. Poor heat stability.**

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