



See The Difference We Make

GemSperse Orange EX5

Description: Surfactant and Water Based Dispersion of Orange 5

Chemical Type	Monoazo Orange	Constitution No.	12075
Color Index	Pigment Orange 5	CAS No.	3468-63-1

Resistance Properties

MEK	2	Ethanol	3
Water	5	Ethyl Acetate	2
Mineral Spirits	4	Acid	5
Xylene	2	Alkali	5

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

Product Characteristics

Heat Stability (°C/°F)	160°C	Weatherfastness (1-5): Masstone
Lightfastness (1-8): Masstone	6	Weatherfastness (1-5): Tint 1:10
Lightfastness (1-8): Tint 1:10	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

Fineness of Grind (µm)	<10	Specific Gravity	1.05 - 1.17
Volatile Organic Content (ppm)	<700	Viscosity (cP)	2000 - 3500
pH	8 - 9.5	Pigment Content (%)	42

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 type="checkbox"/>	Solvent Flexo <input type="checkbox"/>	Rubber Latex <input checked="" type="checkbox"/>
PP <input type="checkbox"/>	Industrial <input 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 type="checkbox"/>	

Not Frequently Used Limited Recommended

Comments: A bright mid orange shade with good light fastness in full shade that deteriorates in paler shades. It has moderate solvent fastness and heat stability, but is very economic and widely used in decorative paints.

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