



GemSperse Orange AX13

Description: Acrylic Resin and Water Based Dispersion of Orange 13

Chemical Type	Disazo Orange	Constitution No.	21110
Color Index	Pigment Orange 13	CAS No.	3520-72-7

Resistance Properties

MEK	1-2	Ethanol	4-5
Water	5	Ethyl Acetate	4
Mineral Spirits	5	Acid	5
Xylene	3-4	Alkali	5

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

Product Characteristics

Heat Stability (°C/°F)	140°C	Weatherfastness (1-5): Masstone
Lightfastness (1-8): Masstone	5-6	Weatherfastness (1-5): Tint 1:10
Lightfastness (1-8): Tint 1:10	3-4	

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	1.1 - 1.3
Volatile Organic Content (ppm)		Viscosity (cP)	600 - 2500
pH	8 - 9.5	Pigment Content (%)	40

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 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 type="checkbox"/>		

Not Frequently Used Limited Recommended

Comments: Pure yellowish orange shade with high color strength, but moderate light fastness

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