



See The Difference We Make

GemSperse Black EX11

Description: Surfactant and Water Based Dispersion of Iron Oxide Black

Chemical Type	Iron Oxide Black	Constitution No.	77499
Color Index	Pigment Black 11	CAS No.	12227-89-3

Resistance Properties

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

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

Product Characteristics

Heat Stability (°C/°F)	150°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	1.6 - 1.9
Volatile Organic Content (ppm)	<700	Viscosity (cP)	4000 - 6000
pH	8 - 9.5	Pigment Content (%)	55

Applications

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

Not Frequently Used Limited Recommended

Comments: Iron Oxide black with a blue/grey undertone. Excellent light and reasonable heat fastness properties. Used in inexpensive industrial paints, printing inks, paper, latex, plastics and concrete.

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