



See The Difference We Make

GemSperse Blue EX15:3

Description: Surfactant and Water Based Dispersion of Phthalocyanine Blue

| | | | |
|----------------------|---------------------|-------------------------|----------|
| Chemical Type | Phthalocyanine Blue | Constitution No. | 74160 |
| Color Index | Pigment Blue 15:3 | CAS No. | 147-14-8 |

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) | 200°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 | 1.1 - 1.3 |
| Volatile Organic Content (ppm) | <700 | Viscosity (cP) | 500 - 3000 |
| pH | 8 - 9.5 | Pigment Content (%) | 48 |

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: Strong greenish blue with excellent fastness to solvent, light and heat. Used for all applications and standard cyan for process inks. Economic.

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