



RayRez 165 Technical Bulletin

Styrene Acrylic Emulsion

RayRez 165 is a versatile rheology controlled emulsion that can be used to produce coatings with excellent gloss and clarity. RayRez 165 exhibits outstanding adhesion, and provides excellent pigment dispersion without the need for additional dispersant. The core shell structure allows RayRez 165 to be combined with higher Tg vehicles to produce low VOC coatings.

Suggested Uses

- Flexographic inks
- Corrugated inks
- Water resistant OPVs

Key Features

- Excellent pigment dispersion
- Outstanding adhesion
- Very good ink transfer
- High Gloss

RayRez 165 Typical Physical Properties

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|----------------------------------|----------------------------------|
| Polymer type | Styrene acrylic emulsion polymer |
| Weight solids | 47.0 – 49.0 % |
| Viscosity (Brookfield Model RVT) | 500 – 1500 cps, #4/100 rpm |
| pH | 8.8 – 9.3 |
| Tg (MDSC) | -26/96°C |
| MFFT (ASTM D-2354) | <0°C |
| Particle size (Mean) | 0.10 microns |
| Surfactant charge | Anionic |
| Weight per gallon | 8.71 lbs/gal |
| Bulking value | 0.1148 gal/lb |
| Freeze thaw stability | Do Not Freeze |

For 40 years, Specialty Polymers has been developing state of the art resins for the paint and coatings industry. With more than 250 products to choose from, Specialty Polymers has the right polymer to meet your needs.

IMPORTANT INFORMATION

If any product is defective in workmanship or materials, Specialty Polymers, Inc. will replace the product. The information contained in this Technical Bulletin is intended to be a guideline. It is offered in good faith, but without guarantee. We recommend users of the product perform their own testing to determine the suitability of the product in their application.