



RayRez 169 Technical Bulletin

Styrene Acrylic Emulsion

RayRez 169 is a soft film forming styrene acrylic emulsion polymer for graphic arts applications. It has outstanding resolubility, very good water resistance, excellent gloss, and ink transfer property. RayRez 169 can be used in high performance inks and overprint varnishes for plastic film and plastic board. RayRez 169 is suitable for formulation of inks in flexographic, gravure and roll coater formulations.

Suggested Uses

- High performance inks
- Overprint varnish for plastic film and board

Key Features

- High clarity and gloss
- Great adhesion to high and low density polyethylene
- Outstanding water resistance

RayRez 169 Typical Physical Properties

Polymer type	Styrene acrylic emulsion polymer
Weight solids	45.0 – 47.0 %
Viscosity (Brookfield Model RVT)	800 - 1800 cps, #4/100 rpm
pH	9.0 – 9.5
Tg (MDSC)	-25°C
MFFT (ASTM D-2354)	0°C
Particle size (Mean)	0.08 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.