

TECHNICAL DATA SHEET

100% Acrylic Polymer

RayCryl 1850 is a self-crosslinking 100% acrylic emulsion designed for textile applications such as foam, pad, spray, knife, and roller coatings. **RayCryl 1850** exhibits medium flexible free film which produces medium hand with excellent strength. **RayCryl 1850** has good compatibility with melamine to enhance durability. **RayCryl 1850** provides outstanding pigment compatibility and pigment binding capacity which can be used in deep color applications.

Key Features

- Self crosslinking and carboxyl group
- Medium flexible free film
- Accepts high filler loading
- Excellent foamer
- Outstanding UV resistance

Typical Applications

- Pigment pad binder
- Screen print binder

RayCryl 1850 Typical Physical Properties*

| | |
|----------------------------------|---------------------------|
| Polymer Type | Self-Crosslinking Acrylic |
| Weight (Solids %) | 45% |
| Viscosity (Brookfield Model RVT) | 250 cps, #2/100 rpm |
| pH | 4.5 |
| Tg (MDSC) | -11° C |
| MFFT (ASTM D-2354) | N/A |
| Particle Size (Mean) | 0.2 microns |
| Surfactant Charge | Anionic |
| Weight Gain per Gallon | 8.60 lbs/gal |
| Freeze Thaw Stability | Do Not Freeze |

* These properties are typical, but do not constitute specifications.

For more than 50 years, Specialty Polymers has been developing state of the art resins for the paint, coatings and adhesive industries. With more than 400 products to choose from, Specialty Polymers has the right polymer to meet your needs.