

Technical Data Sheet

Tacolyn™ 3570 Resin Dispersion

Applications

- Adhesives/sealants-b&c
- Carpet construction
- Case & carton sealing closings
- Concrete
- Flooring
- Labels non food contact
- Paints & coatings
- Polymer modification
- Protective coatings
- Specialty tape
- Tape non food contact
- Waterborne packaging adhesives

Key Attributes

- APE-free
- Broad compatibility
- Excellent silicone liner wetting
- Excellent thermal and UV stability
- Good pigment and substrate wetting
- Good storage and mechanical stability
- Improves adhesion to polyethylene and polypropylene packaging substrates
- Light color
- Low surface tension
- Outstanding tackifier in waterborne adhesives
- Resistance to acids and alkalis

Product Description

Tacolyn™ 3570 Resin Dispersion is an anionic, aqueous, solvent-free, and APE (alkylphenol ethoxylate) free dispersion of a stabilized rosin ester. It is designed for use in pressure sensitive adhesives based on acrylic polymer emulsions or carboxylated SBR polymer emulsions, where it greatly enhances the tack and peel to polyethylene and carton board

Typical Properties

Property	Test Method	Typical Value, Units
General		
Particle Size ^a		250 nm
Coarse Particles ^b		0.050 % max
Ring and Ball Softening Point ^c	ASTM E 28	67 °C
Shelf Life		274 days
Total solids content		55 %
pH		7.0
pH Tolerance Range		4 to 13
Viscosity ^d		250 cP
Density		1.05 g/mL

^aAverage particle size

^bWt% of particles > 45 microns

^cDispersed phase (base resin + emulsifier)

^dBrookfield Model RFV at 20 rpm, 25°C

Compatibility and Solubility

Compatible at all ratios, or in limited but useful proportions, with latices and other aqueous systems of natural rubber, SBR, NBR, butadiene, isoprene, butyl, and neoprene synthetic rubbers; polyacrylic emulsions, VA-E (vinyl acetate-ethylene) copolymers and ethylene vinyl acetate-acrylate terpolymers. When strongly alkaline or acidic additives are added to Tacolyn™ 3570 Resin Dispersion, gross localized pH-variations should be avoided, as these can lead to destabilization and grit formation. When mixed with cationic substances, Tacolyn™ 3570 Resin Dispersion may precipitate.

Packaging

Tacolyn™ 3570 Resin Dispersion is supplied in bulk in road tank trucks and in polyethylene semi-bulk containers with a net weight of 1000 kg from Eastman production facilities in USA. United States facility also has 445# fiber drums available.

Storage

The useful life of this product can be affected by storage and handling conditions. This dispersion will remain within product specification limits for at least 274 days from date of manufacture from an Eastman production facility provided that storage conditions are observed.

The recommended storage temperature range is 50°-100°F. This resin dispersion may be irreparably damaged if frozen. Accordingly, all shipments in cold climate areas are made in insulated or heated carriers. It is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

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