TECHNICAL DATA SHEET

TACOLYN™ 3570 Resin Dispersion

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

- 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 alkalies

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

Property	Typical Value	Unit	Method[1]
Particle Size	250	nm	Average particle size
Coarse Particles	0.050	% max	Wt% of particles >45 microns
Ring and Ball Softening Point	67	°C	ASTM E 28, dispersed phase (base resin+emulsifier)
Total solids content	55	%	
pH	7.0		
pH Tolerance Range	4 to 13		
Viscosity at 25°C	250	cP	Brookfield
Density	1.05	g/mL	
Shelf Life	274	days	

[1] internal method based upon the specified norm

Applications

Adhesives for construction, Metal coatings, Packaging Speciality, PSA Tapes, Carpet, Flooring Adhesives, Labels, Coatings, Tapes

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 Synthomer production facilities in USA. United States facility also has 445# fiber drums available.

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Storage

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.

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 Synthomer production facility provided that storage conditions are observed.

Comments

Properties reported here are typical of average lots. Synthomer makes no representation that the material in any particular shipment will conform exactly to the values given.

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