

Tacolyn™ 3100 Rosin Ester Dispersion



Tacolyn™ 3100 rosin ester dispersion is an aqueous, 55% solids, solvent-free, rosin ester dispersion prepared from the pentaerythritol ester of hydrogenated rosin. It is recommended as a tackifier for acrylic latex polymers used in label, tape, and construction applications including clear film label applications. Tacolyn™ 3100 is highly hydrogenated and promotes high temperature performance in waterborne PSAs.

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

eMail: Adhesive.Technologies@Synthomer.com

- Excellent thermal and UV stability
- Good moisture resistance
- Light color
- Promotes high temperature performance
- Resistance to acids and alkalies

Property	Typical Value	Unit	Method ¹
Ring and Ball Softening Point	92	°C	ASTM E 28
Particle Size	250	nm	Average particle size
Coarse Particles	0.0500	% max	Wt% of particles >45 microns
Shelf Life	274	days	
Total solids content	55	%	
pH	10.0		
pH Tolerance Range	4-13		
Viscosity at 25°C	900	cP	Brookfield
Density	1.02	g/mL	

¹ internal method based upon the specified norm

Applications

Carpet, Adhesives for construction, Labels, Tapes, Coatings, Speciality tapes, Other adhesives , Flooring

Compatibility and Solubility

Compatible with acrylic, vinyl acetate-ethylene (VAE), polyvinyl acetate, styrene-butadiene rubber (SBR), polychloroprene (neoprene) and natural rubber latexes. When mixed with cationic substances, this dispersion may precipitate. When high alkaline or acidic additives are added to Tacolyn™ 3100, gross localized pH-variations should be avoided, as these can lead to destabilization and grit formation.

Packaging

Available in lined fiber drums (445 lbs/202 kg net wt.), disposable totes or tank trucks. Keep container closed to prevent formation of dried film on container walls. If dry filming occurs, filter product before use.

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

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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.