

Tacolyn™ 3400 Resin Dispersion



Tacolyn™ 3400 resin ester dispersion is an aqueous, 55% solids, solvent-free, anionic rosin ester dispersion prepared from a highly hydrogenated, high softening point resin. It is recommended for use in food packaging applications such as closures, lidding, and cold seal adhesives, as well as pressure sensitive adhesives that contact food. Tacolyn™ 3400 is also used in adhesives applications requiring higher temperature strength such as in high temperature masking tapes, packaging tapes, and contact adhesives.

- APE-free
- Direct food contact FDA clearances
- Excellent thermal and UV stability
- Good moisture resistance
- Promotes high temperature performance

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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Property	Typical Value	Unit	Method ¹
Particle Size	225	nm	Average particle size
Coarse Particles	0.1000	% max	Wt% of particles >45 microns
Ring and Ball Softening Point	92	°C	ASTM E 28, dispersed phase (base resin+emulsifier)
Shelf Life	243	days	
Total solids content	55	%	
pH	10.0		
pH Tolerance Range	>7		
Viscosity at 25°C	1100	cP	Brookfield
Density	1.03	g/mL	

¹ internal method based upon the specified norm

Applications

Carpet, Flooring Adhesives, Metal coatings, Construction, Labels, Speciality tapes, Tapes, PSA Packaging tapes, Other Construction Applications

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™ 3400, 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 useful life of this product can be affected by storage and handling conditions. This dispersion will remain within product specification limits for at least 243 days from date of manufacture from an Synthomer production facility provided that storage conditions are observed.

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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.

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.