

Tacolyn™ 5003 Resin Dispersion



Tacolyn™ 5003 resin dispersion is an aqueous, 45% solids, solvent-free, anionic hydrocarbon resin dispersion. It is recommended as a single tackifier for anionic polychloroprene latex polymers used in contact adhesive applications. When used as a modifier for contact adhesives, Tacolyn™ 5003 imparts outstanding high temperature performance, excellent contactability and good moisture resistance without the use of a second reinforcing tackifier.

- APE-free
- Good moisture resistance
- Good thermal and UV stability
- Promotes cohesion
- 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	250	nm	Average particle size
Coarse Particles	0.1000	% max	Wt% of particles >45 microns
Ring and Ball Softening Point	130	°C	ASTM E 28, dispersed phase (base resin+emulsifier)
Shelf Life	274	days	
Total solids content	45	%	
pH	11.0		
pH Tolerance Range	>7		
Viscosity at 25°C	1000	cP	Brookfield
Density	1.02	g/mL	

¹ internal method based upon the specified norm

Applications

Contact Adhesives, Adhesives for construction, Carpet, Flooring Adhesives, Adhesives, Labels, PSA Specialties, Tapes, Other Construction Applications, Coatings

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™ 5003, 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.

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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 recommended 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.