

Tacolyn™ 5002 Resin Dispersion



Tacolyn™ 5002 resin dispersion is an aqueous, 55% solids, solvent-free, anionic hydrocarbon resin dispersion. It is recommended as a tackifier for natural rubber and styrene butadiene rubber latex polymers used in label, tape, construction, and contact adhesive applications. As a modifier for pressure sensitive label and tape adhesives, Tacolyn™ 5002 provides a good balance of peel and shear and enhances specific adhesion to polyolefin substrates and recycled corrugated board. Tacolyn™ 5002 is recommended for water-based contact adhesives where fast break properties are required as in foam to foam bonding applications.

- APE-free
- Broad utility as a general purpose SBR tackifier
- Enhances specific adhesion to polyolefin substrates and recycled corrugated board
- Good moisture resistance
- Good thermal and UV stability
- Promotes cohesion

Property	Typical Value	Unit	Method ¹
Particle Size	250	nm	Average particle size
Coarse Particles	0.0500	% max	Wt% of particles >45 microns
Ring and Ball Softening Point	70	°C	ASTM E 28, dispersed phase (base resin+emulsifier)
Shelf Life	182	days	
Total solids content	55	%	
pH	10.5		
pH Tolerance Range	>7		
Viscosity at 25°C	400	cP	Brookfield
Density	1.01	g/mL	

¹ internal method based upon the specified norm

Applications

Adhesives, PSA labels, Caulks and Sealants, Carpet, Other Construction Applications, Adhesives for construction, Tapes, Packaging specialities, Metal coatings, Foam Special

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™ 5002, 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.

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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 182 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.