

Tacolyn™ 1070 Resin Dispersion



Tacolyn™ 1070 resin dispersion is an aqueous, 55% solids, solvent-free, anionic hydrocarbon dispersion. It is recommended as a tackifier for acrylic latex polymers used in label, tape, and construction adhesive applications. As a modifier for these latexes, Tacolyn™ 1070 enhances specific adhesion to polyolefin substrates and recycled corrugated board. It promotes cohesive strength and offers good moisture resistance when used in pressure sensitive adhesives. It may be used in clear film label applications due to its good color retention and oxidation resistance.

- APE-free
- 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	0.1000	% max	wt% of particles >45 microns
Ring and Ball Softening Point	70	°C	ASTM E 28, dispersed phase
Shelf Life	274	days	
Total solids content	55	%	
pH	10.0		
pH Tolerance Range	4-13		
Viscosity at 25°C	1400	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, Speciality tapes

Compatibility and Solubility

Compatible with acrylic, vinyl acetate-ethylene (VAE), 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™ 1070, 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 274 days from date of manufacture from a 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.