

TACOLYN™ 5070 Resin Dispersion



Tacolyn™ 5070 resin dispersion is an aqueous, 50% solids, solvent-free anionic aliphatic hydrocarbon dispersion prepared from a low molecular weight, aliphatic C5 hydrocarbon resin. It is recommended as a tackifier for isoprene rubber and natural rubber latex polymers used in tape applications. Tacolyn™ 5070 is ideal for low peel applications because it imparts peel strength in small increments relative to resination level. It exhibits good storage and mechanical stability and outstanding stability to acids. Tacolyn™ 5070 is also highly resistant to acids and alkalies.

- Broad utility as a general purpose isoprene and natural rubber tackifier
- Exhibits good storage and mechanical stability
- Highly resistant to acids and alkalies
- Promotes low peel

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	70	°C	ASTM E 28, dispersed phase (base resin+emulsifier)
Shelf Life	243	days	
Total solids content	50	%	
pH	4.0		
pH Tolerance Range	4-13		
Viscosity at 25°C	100	cP	Brookfield
Density	0.97	g/mL	

¹ internal method based upon the specified norm

Applications

Adhesives for construction, Carpet, Metal coatings, Tapes, Coatings, Labels, PSA Tapes

Compatibility and Solubility

Compatible with natural rubber latex. When mixed with cationic substances, this dispersion may precipitate. When high alkaline or acidic additives are added to Tacolyn™ 5070, 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 243 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.