

SureTac 1375

70° C Rosin Ester Resin Emulsion

A solvent-free waterborne emulsion of rosin ester resin, formulated for tackifying various latex polymers. This emulsion is generally stable when mixed with latexes that have a pH greater than 7.0. For mixing with latexes that have a lower pH or systems that are highly ionic, this tackifier emulsion may need stabilization. For stabilization, we suggest adding 5% of a nonylphenol ethoxylate surfactant like Igepal CO-630 to the tackifier system prior to mixing with the latex.

FDA Status

Complies with 21CFR175.105

Applications

Blending with natural rubber latex, SBR latex, natural rubber/SBR latex blends and acrylic latexes

Typical Properties

Total Solids	56.0 ± 1.0
Viscosity; LVF #3 @ 30 RPM @ 23°C	450 ± 100 cps
pH	9.5 ± 1.0
Softening Point	70°C
Average Particle Size	< 0.5 micron

Tackifier response in 2-Ethylhexyl Acrylate Polymer Latex:

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
Control – No tackifier	2.2
15 Parts Sure Tac 1375 (dry/dry)	2.6
30 Parts SureTac 1375 (dry/dry)	4.3
50 Parts SureTac 1375 (dry/dry)	4.8
Loop Tack, lb./in ² (2)	
Control – No tackifier	1.6
15 Parts SureTac 1375 (dry/dry)	1.8
30 Parts SureTac 1375 (dry/dry)	2.1
50 Parts SureTac 1375 (dry/dry)	2.7
Shear; ½" x ½" x 500 gms; hrs. (3)	
Control – No tackifier	5.1
15 Parts SureTac 1375 (dry/dry)	2.2
30 Parts SureTac 1375 (dry/dry)	1.1
50 Parts SureTac 1375 (dry/dry)	0.9

Tackifier response in a 60/40 SBR Latex (25% Styrene/75% Butadiene)/Natural Rubber Blend:

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 Parts SureTac 1375 (dry/dry)	3.1
150 Parts SureTac 1375 (dry/dry)	4.0
180 Parts SureTac 1375 (dry/dry)	4.2

/continued

This product information is presented in good faith and is to the best of our knowledge, accurate. It is intended to be used as a guide and is not to be construed as a specification for products described herein. Dyna-Tech does not guarantee satisfactory results in any application from reliance upon this information and assumes no liability for any loss or damage arising out of its use. Dyna-Tech recommends that the user of our products thoroughly test them under end use conditions to assure that they meet the requirements of intended applications.



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Loop Tack, lb./in ² (2)	
120 Parts SureTac 1375 (dry/dry)	2.8
150 Parts SureTac 1375 (dry/dry)	3.3
180 Parts SureTac 1375 (dry/dry)	4.5
Shear; ½" x ½" x 500 gms; hrs. (3)	
120 Parts SureTac 1375 (dry/dry)	5.1
150 Parts SureTac 1375 (dry/dry)	4.7
180 Parts SureTac 1375 (dry/dry)	3.0
Tackifier response in a SBR Latex (25% Styrene/75% Butadiene)	
Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 PHR	4.6
150 PHR	4.3
180 PHR	4.2
Loop Tack, lb./in ² (2)	
120 PHR	4.4
150 PHR	4.7
180 PHR	4.8
Shear; ½" x ½" x 500 gms; minutes (3)	
120 PHR	1.4
150 PHR	1.5
180 PHR	2.1

Samples were prepared by transfer coating and drying 2½' @ 100°C

- (1) PSTC-101
- (2) TLMI Loop Tack, 1 in² contact area, 12 ipm separation
- (3) PSTC-107

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