

SureTac 1370

(Previously 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 parts (dry/dry) of a 25% nonylphenol ethoxylate surfactant, such as Igepal CO-630, to SureTac 1370 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 ± 200 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 SureTac 1370 (dry/dry)	2.6
30 Parts SureTac 1370 (dry/dry)	4.3
50 Parts SureTac 1370 (dry/dry)	4.8
Loop Tack, lb./in ² (2)	
Control – No tackifier	1.6
15 Parts SureTac 1370 (dry/dry)	1.8
30 Parts SureTac 1370 (dry/dry)	2.1
50 Parts SureTac 1370 (dry/dry)	2.7
Shear; ½" x ½" x 500 gms; hrs. (3)	
Control – No tackifier	5.1
15 Parts SureTac 1370 (dry/dry)	2.2
30 Parts SureTac 1370 (dry/dry)	1.1
50 Parts SureTac 1370 (dry/dry)	0.9

/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.



ADHESIVES & COATINGS, INC
QURETECH®
TECHNICAL DATA SHEET

Country Club Road, PO Box 628
Grafton, WV 26354
800-847-7773
Fax; 304-265-5202
www.dyna-techadhesives.com
www.quiretech.com

Providing Advanced Water-based and Energy
Curable Coatings and Adhesives
For Over 25 Years
Clean, Safe, Worker Friendly

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

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 Parts SureTac 1370 (dry/dry)	3.1
150 Parts SureTac 1370 (dry/dry)	4.0
180 Parts SureTac 1370 (dry/dry)	4.2
Loop Tack, lb./in ² (2)	
120 Parts SureTac 1370 (dry/dry)	2.8
150 Parts SureTac 1370 (dry/dry)	3.3
180 Parts SureTac 1370 (dry/dry)	4.5
Shear; ½" x ½" x 500 gms; hrs. (3)	
120 Parts SureTac 1370 (dry/dry)	5.1
150 Parts SureTac 1370 (dry/dry)	4.7
180 Parts SureTac 1370 (dry/dry)	3.0

Tackifier response in SBR Latex (25% Styrene/75% Butadiene)

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
120 Parts SureTac 1370 (dry/dry)	4.6
150 Parts SureTac 1370 (dry/dry)	4.3
180 Parts SureTac 1370 (dry/dry)	4.2
Loop Tack, lb./in ² (2)	
120 Parts SureTac 1370 (dry/dry)	4.4
150 Parts SureTac 1370 (dry/dry)	4.7
180 Parts SureTac 1370 (dry/dry)	4.8
Shear; ½" x ½" x 500 gms; minutes (3)	
120 Parts SureTac 1370 (dry/dry)	1.4
150 Parts SureTac 1370 (dry/dry)	1.5
180 Parts SureTac 1370 (dry/dry)	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

September 07

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.