

SureTac 1730

79°C Rosin Ester Resin Emulsion

A solvent-free waterborne emulsion of a light colored rosin ester resin. This is a non-acid stable resin emulsion formulated for tackifying various latexes. This emulsion may or may not need stabilizing depending on the latex being used. For stabilization, we suggest adding 5% of a nonylephenol 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	400 ± 100 cps
pH	9.5 ± 1.0
Softening Point	79°C
Average Particle Size	<1.0 micron
Gardner Color, Neat	3 - 4

Tackifier response in a 2-EHA Acrylic Latex:

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
Control – No tackifier	2.2
15 PHR	2.1
30 PHR	2.5
50 PHR	2.8
Loop Tack, lb./in ² (2)	
Control – No tackifier	1.6
15 PHR	2.4
30 PHR	2.7
50 PHR	3.0
Shear; ½" x ½" x 500 gms; minutes (3)	
Control – No tackifier	307
15 PHR	114
30 PHR	96
50 PHR	114

Tackifier response in a 60/40 SBR (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 PHR	2.6
150 PHR	3.4
180 PHR	4.6

/continued



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QURETECH®

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Tackifier response in an SBR/Natural Rubber Blend – Continued

Loop Tack, lb./in ² (2)	
120 PHR	3.6
150 PHR	3.9
180 PHR	4.0
Shear; ½" x ½" x 500 gms; minutes (3)	
120 PHR	354
150 PHR	438
180 PHR	426

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	2.9
150 PHR	3.8
180 PHR	4.3
Loop Tack, lb./in ² (2)	
120 PHR	2.9
150 PHR	2.4
180 PHR	1.6
Shear; ½" x ½" x 500 gms; minutes (3)	
120 PHR	108
150 PHR	114
180 PHR	198

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

- (1) PSTC-1 modified
- (2) TLMI Loop Tack, 1 in² contact area, 12 ipm separation
- (3) PSTC-7

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