

# SureTac 1552

## 25°C Aromatic Hydrocarbon Resin Emulsion

SureTac 1552 is a solvent-free waterborne emulsion of an aromatic hydrocarbon resin. It is useful for plasticizing various polymer latexes. This plasticizer increases adhesion to non-polar plastics, paper and corrugated surfaces. SureTac 1552 will improve low temperature performance and is useful in formulating pressure sensitive adhesives, packaging adhesives, contact cements, mastics and construction adhesives and sealants. SureTac 1552 can be used in conjunction with other tackifying resins to achieve desired pressure sensitive adhesive properties.

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<b>FDA Status</b>	Complies with 21CFR175.105
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<b>Applications</b>	Plasticizing acrylic latexes, natural rubber/ SBR latex blends, natural rubber latex, EVA Latex and NBR latex
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### Typical Properties

Total Solids	55.0 ± 1.0
Viscosity; RVF #3 @ 30 RPM @ 23°C	3200 ± 500
pH	9.5 ± 1.0
Softening Point	25°C
Average Particle Size	< 0.5 micron

#### Tackifier response in Natural Rubber

Web:	1 mil Mylar®
Coatweight; dry mils	0.75
180° Peel Adhesion, lb./in, 30' dwell (1)	
40 Parts SureTac 1552 (dry/dry)	0.5
60 Parts SureTac 1552 (dry/dry)	1.0
80 Parts SureTac 1552 (dry/dry)	2.0
Loop Tack, lb./in <sup>2</sup> (2)	
40 Parts SureTac 1552 (dry/dry)	2.0
60 Parts SureTac 1552 (dry/dry)	6.0
80 Parts SureTac 1552 (dry/dry)	7.0
Shear; ½" x ½" x 500 gms; hours (3)	
40 Parts SureTac 1552 (dry/dry)	4.4
60 Parts SureTac 1552 (dry/dry)	15
80 Parts SureTac 1552 (dry/dry)	11

#### 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)	
60 Parts SureTac 1552 (dry/dry)	0.9
90 Parts SureTac 1552 (dry/dry)	1.1
120 Parts SureTac 1552 (dry/dry)	1.6

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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 <sup>2</sup> (2)	
60 Parts SureTac 1552 (dry/dry)	0.7
90 Parts SureTac 1552 (dry/dry)	1.0
120 Parts SureTac 1552 (dry/dry)	1.5

Shear; ½" x ½" x 500 gms; hours (3)	
60 Parts SureTac 1552 (dry/dry)	5
90 Parts SureTac 1552 (dry/dry)	3
120 Parts SureTac 1552 (dry/dry)	1

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)	
60 Parts SureTac 1552 (dry/dry)	0.5
90 Parts SureTac 1552 (dry/dry)	0.7
120 Parts SureTac 1552 (dry/dry)	0.9

Loop Tack, lb./in <sup>2</sup> (2)	
60 Parts SureTac 1552 (dry/dry)	0.4
90 Parts SureTac 1552 (dry/dry)	0.6
120 Parts SureTac 1552 (dry/dry)	1.5

Shear; ½" x ½" x 500 gms; hours (3)	
60 Parts SureTac 1552 (dry/dry)	4.1
90 Parts SureTac 1552 (dry/dry)	2.5
120 Parts SureTac 1552 (dry/dry)	0.5

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

- (1) PSTC-1 modified
- (2) TLMI Loop Tack, 1 in<sup>2</sup> contact area, 12 ipm separation
- (3) PSTC-7

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