

3M Scotch-Weld™ 1300L Neoprene High Performance Rubber Gasket Adhesives

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Neoprene High Performance Rubber ^& Gasket Adhesives 1300 is the most versatile of our rubber and gasket adhesives. They may be used to bond metal, wood, most plastics, and neoprene, reclaim, SBR, and butyl rubber. They have high immediate strength and excellent heat resistance. 3M Scotch-Weld Adhesive 1300L is a lower solids, lower viscosity version of 3M Scotch-Weld Adhesive 1300. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-1300L-Neoprene-High-Performance-Rubber-Gasket-Adhesives.php

Physical Properties	Metric	English	Comments
Solids Content	26 - 33 %	26 - 33 %	
Brookfield Viscosity	250 - 1000 cP	250 - 1000 cP	RVF #2 sp @ 20 rpm @ 80°F

Mechanical Properties	Metric	English	Comments
Shear Strength	0.586 MPa	85.0 psi	
	0.586 MPa	85.0 psi	Overlap, 1/8" Birch/Birch
	@Temperature 107 °C, Time 1.81e+6 sec	@Temperature 225 °F, Time 504 hour	
	0.938 MPa	136 psi	Overlap, 1/8" Birch/Birch
	@Temperature 82.0 °C, Time 1.81e+6 sec	@Temperature 180 °F, Time 504 hour	
Peel Strength	1.34 MPa	195 psi	Overlap, 1/8" Birch/Birch
	@Temperature -34.0 °C, Time 1.81e+6 sec	@Temperature -29.2 °F, Time 504 hour	
	2.36 MPa	343 psi	Overlap, 1/8" Birch/Birch
	@Temperature 75.0 °C, Time 1.21e+6 sec	@Temperature 167 °F, Time 336 hour	
	3.79 MPa	549 psi	Overlap, 1/8" Birch/Birch
@Temperature 75.0 °C, Time 1.81e+6 sec	@Temperature 167 °F, Time 504 hour		
Peel Strength	3.16 kN/m	18.0 pli	180°, Canvas/Steel
	@Temperature 24.0 °C, Time 86400 sec	@Temperature 75.2 °F, Time 24.0 hour	
Peel Strength	4.56 kN/m	26.0 pli	180°, Canvas/Steel
	@Temperature 82.0 °C, Time 86400 sec	@Temperature 180 °F, Time 24.0 hour	

Mechanical Properties	Time 1.81e+6 sec Metric	Time 504 hour English	Comments
	5.26 kN/m @Temperature 24.0 °C, Time 1.21e+6 sec	30.0 pli @Temperature 75.2 °F, Time 336 hour	180°, Canvas/Steel
	5.70 kN/m @Temperature 66.0 °C, Time 1.81e+6 sec	32.5 pli @Temperature 151 °F, Time 504 hour	180°, Canvas/Steel
	8.41 kN/m @Temperature 24.0 °C, Time 259000 sec	48.0 pli @Temperature 75.2 °F, Time 72.0 hour	180°, Canvas/Steel
	8.59 kN/m @Temperature -34.0 °C, Time 1.81e+6 sec	49.0 pli @Temperature -29.2 °F, Time 504 hour	180°, Canvas/Steel
	8.94 kN/m @Temperature 24.0 °C, Time 432000 sec	51.0 pli @Temperature 75.2 °F, Time 120 hour	180°, Canvas/Steel
	9.12 kN/m @Temperature 24.0 °C, Time 605000 sec	52.0 pli @Temperature 75.2 °F, Time 168 hour	180°, Canvas/Steel

Thermal Properties	Metric	English	Comments
Flash Point	-26.0 °C	-14.8 °F	TCC

Descriptive Properties	Value	Comments
Appearance	Yellow	
Base	Polychloroprene	

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