

3M Scotch-Weld™ 847-L Nitrile High Performance Rubber & Gasket Adhesive

Category : Polymer , Adhesive

Material Notes:

Features: Strong flexible bondsMedium viscosity grade adhesive for many brush or flow applicationsQuick dryingExcellent resistance to many fuels and oilsBond leather, nitrile rubber, most plastics, gasketing materials to a variety of substratesMay be heat cured to obtain improved physical properties.Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-847-L-Nitrile-High-Performance-Rubber-Gasket-Adhesive.php

Physical Properties	Metric	English	Comments
Solids Content	22 - 26 %	22 - 26 %	
pH	4.1 - 4.5	4.1 - 4.5	
Brookfield Viscosity	175 - 350 cP	175 - 350 cP	RVF #2 sp @ 20 rpm

Mechanical Properties	Metric	English	Comments
Shear Strength	0.0621 MPa	9.00 psi	Overlap, 1/8" Birch/Birch
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.138 MPa	20.0 psi	Overlap, 1/8" Birch/Birch
	@Temperature 66.0 °C	@Temperature 151 °F	
Peel Strength	1.05 MPa	152 psi	Overlap, 1/8" Birch/Birch
	@Temperature 1.00 °C	@Temperature 33.8 °F	
	1.38 MPa	200 psi	Overlap, 1/8" Birch/Birch
	@Temperature 14.0 °C	@Temperature 57.2 °F	
Peel Strength	0.701 kN/m	4.00 pli	180°, Canvas/Steel
	@Temperature 14.0 °C, Time 1.81e+6 sec	@Temperature 57.2 °F, Time 504 hour	
	1.58 kN/m	9.00 pli	180°, Canvas/Steel
	@Temperature 82.0 °C, Time 1.81e+6 sec	@Temperature 180 °F, Time 504 hour	
Peel Strength	2.28 kN/m	13.0 pli	180°, Canvas/Steel
	@Temperature 14.0 °C, Time 86400 sec	@Temperature 57.2 °F, Time 24.0 hour	
	2.80 kN/m	16.0 pli	180°, Canvas/Steel
	@Temperature 66.0 °C, Time 1.81e+6 sec	@Temperature 151 °F, Time 504 hour	

Mechanical Properties	Metric	English	Comments
	@Temperature 1.00 °C, Time 1.81e+6 sec	@Temperature 33.8 °F, Time 504 hour	180°, Canvas/Steel
	4.12 kN/m	23.5 pli	
	@Temperature 14.0 °C, Time 259000 sec	@Temperature 57.2 °F, Time 72.0 hour	180°, Canvas/Steel
	4.82 kN/m	27.5 pli	
	@Temperature 14.0 °C, Time 432000 sec	@Temperature 57.2 °F, Time 120 hour	180°, Canvas/Steel
	5.43 kN/m	31.0 pli	
	@Temperature 14.0 °C, Time 605000 sec	@Temperature 57.2 °F, Time 168 hour	180°, Canvas/Steel
	6.14 kN/m	35.0 pli	
	@Temperature 14.0 °C, Time 1.21e+6 sec	@Temperature 57.2 °F, Time 336 hour	180°, Canvas/Steel

Thermal Properties	Metric	English	Comments
Flash Point	-18.0 °C	-0.400 °F	CC

Descriptive Properties	Value	Comments
Appearance	Brown	
Base	Nitrile Rubber	

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