

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

Category : Polymer , Adhesive

### Material Notes:

Features: Strong flexible bonds Medium viscosity grade adhesive for many brush or flow applications Quick drying Excellent resistance to many fuels and oils Bond leather, nitrile rubber, most plastics, gasketing materials to a variety of substrates May 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-Nitrile-High-Performance-Rubber-Gasket-Adhesive.php](http://www.lookpolymers.com/polymer_3M-Scotch-Weld-847-Nitrile-High-Performance-Rubber-Gasket-Adhesive.php)

Physical Properties	Metric	English	Comments
Solids Content	33 - 39 %	33 - 39 %	
Brookfield Viscosity	1500 - 3200 cP	1500 - 3200 cP	RVF #3 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	
1.05 MPa	152 psi	Overlap, 1/8" Birch/Birch	
@Temperature 1.00 °C	@Temperature 33.8 °F		
Peel Strength	1.38 MPa	200 psi	Overlap, 1/8" Birch/Birch
	@Temperature 14.0 °C	@Temperature 57.2 °F	
	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	
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		
3.51 kN/m	20.0 pli		

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

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

Descriptive Properties	Value	Comments
Appearance	Dark Brown	
Base	Nitrile Rubber	

## Contact Songhan Plastic Technology Co.,Ltd.

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