

3M Scotch-Weld™ 826 Nitrile Rubber & Plastic Adhesive

Category : Polymer , Adhesive

Material Notes:

Features: A light colored, fast drying adhesiveExcellent resistance to aromatic fuels, water and oilUsed to bond many types of plastic films including ABS, cellulose acetate, and PVCInformation provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-826-Nitrile-Rubber-Plastic-Adhesive.php

Physical Properties	Metric	English	Comments
Solids Content	21 - 25 %	21 - 25 %	
Brookfield Viscosity	750 - 1250 cP	750 - 1250 cP	RVF #2 sp @ 20 rpm @ 27°C

Mechanical Properties	Metric	English	Comments
Shear Strength	0.172 MPa	25.0 psi	Overlap, Alum/Alum
	@Temperature 121 °C	@Temperature 250 °F	
	0.379 MPa	55.0 psi	Overlap, Alum/Alum
	@Temperature 93.0 °C	@Temperature 199 °F	
	0.386 MPa	56.0 psi	Overlap, Alum/Alum
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.607 MPa	88.0 psi	Overlap, Alum/Alum
	@Temperature 66.0 °C	@Temperature 151 °F	
Peel Strength	1.37 MPa	198 psi	Overlap, Alum/Alum
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	9.618 MPa	1395 psi	Overlap, Alum/Alum
	@Temperature -55.0 °C	@Temperature -67.0 °F	
	12.49 MPa	1811 psi	Overlap, Alum/Alum
	@Temperature -34.0 °C	@Temperature -29.2 °F	
	0.701 kN/m	4.00 pli	180°, Canvas/Steel
	@Temperature 82.0 °C	@Temperature 180 °F	
	0.877 kN/m	5.00 pli	180°, Canvas/Steel
	@Temperature 66.0 °C	@Temperature 151 °F	
	1.75 kN/m	10.0 pli	180°, Canvas/Steel

Mechanical Properties	@Temperature 24.0 °C Metric	@Temperature 75.2 °F English	Comments
	2.98 kN/m	17.0 pli	180°, Canvas/Steel
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	3.07 kN/m	17.5 pli	180°, Canvas/Steel
	@Temperature -34.0 °C	@Temperature -29.2 °F	
	3.24 kN/m	18.5 pli	180°, Canvas/Steel
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	3.68 kN/m	21.0 pli	180°, Canvas/Steel
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	4.03 kN/m	23.0 pli	180°, Canvas/Steel
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	4.73 kN/m	27.0 pli	180°, Canvas/Steel
	@Temperature 24.0 °C	@Temperature 75.2 °F	
	1.58 kN/m	9.00 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Jet Fuel
	@Temperature 49.0 °C, Time 86400 sec	@Temperature 120 °F, Time 24.0 hour	
	2.80 kN/m	16.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, VMP
	@Temperature 49.0 °C, Time 86400 sec	@Temperature 120 °F, Time 24.0 hour	
	3.68 kN/m	21.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Oil
	@Temperature 49.0 °C, Time 86400 sec	@Temperature 120 °F, Time 24.0 hour	
	2.10 kN/m	12.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Freon #11
	@Time 1.21e+6 sec	@Time 336 hour	
	2.28 kN/m	13.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Freon #11
	@Time 605000 sec	@Time 168 hour	
	2.63 kN/m	15.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Freon #12
	@Time 605000 sec	@Time 168 hour	
	2.63 kN/m	15.0 pli	T-Peel, Canvas/Canvas, aged 2 days @ 49°C, Freon #12
	@Time 1.21e+6 sec	@Time 336 hour	

Thermal Properties	Metric	English	Comments
Flash Point	2.00 °C	35.6 °F	Setaflash

Processing Properties	Metric	English	Comments
Shelf Life	15.0 Month	15.0 Month	

Descriptive Properties	Value	Comments
Appearance	Light Amber	
Base	Nitrile	

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