

3M Scotch-Weld™ Thin Instant Wood Adhesives and Surface Activator

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Instant Wood Adhesives an Surface Activator are single component, room temperature-curing adhesives that provides cure and speed and shear strength for demanding applications in the manufacture and repair of furniture, cabinets, and other wood products. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-Thin-Instant-Wood-Adhesives-and-Surface-Activator.php

Physical Properties	Metric	English	Comments
Viscosity	>= 10 cP	>= 10 cP	

Mechanical Properties	Metric	English	Comments
Shear Strength	1.38 MPa	200 psi	Overlap, Polyurethane Finish, Adhesive Failure
	1.72 MPa	250 psi	Overlap, MDF, Cohesive Failure
	2.41 MPa	350 psi	Overlap, Particleboard, Substrate Failure
	2.41 MPa	350 psi	Overlap, Melamine, Substrate Failure
	2.76 MPa	400 psi	Overlap, Pine, Substrate/Cohesive Failure
	3.45 MPa	500 psi	Overlap, Polyacrylic Finish, Cohesive Failure
	4.14 MPa	600 psi	Overlap, Plywood, Cohesive Failure
	5.52 MPa	800 psi	Overlap, Poplar, Substrate/Cohesive Failure
	5.52 MPa	800 psi	Overlap, High Pressure Laminate, Substrate Failure
	5.86 MPa	850 psi	Overlap, Maple, Substrate Failure
	10.7 MPa	1550 psi	Overlap, Steel, Adhesive Failure
	11.7 MPa	1700 psi	Overlap, Aluminum, Adhesive Failure
	16.9 MPa	2450 psi	Overlap, Oak, Substrate/Cohesive Failure
	1.03 MPa @Temperature 66.0 °C	150 psi @Temperature 151 °F	Overlap, Polyurethane Finish, Adhesive Failure
	1.38 MPa	200 psi	Overlap, Pine, Adhesive Failure

Mechanical Properties	@Temperature 66.0 °C Metric	@Temperature 151 °F English	Comments
	2.07 MPa	300 psi	Overlap, Polyurethane Finish, 90% RH, Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	2.76 MPa	400 psi	Overlap, Pine, 90% RH, Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	3.10 MPa	450 psi	Overlap, Aluminum, 90% RH, Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	6.89 MPa	1000 psi	Overlap, Aluminum, Adhesive Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	7.93 MPa	1150 psi	Overlap, Oak, Substrate/Adhesive Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	8.27 MPa	1200 psi	Overlap, Plywood, Substrate Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	8.62 MPa	1250 psi	Overlap, Oak, 90% RH, Substrate/Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	8.96 MPa	1300 psi	Overlap, Plywood, 90% RH, Substrate Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	

Processing Properties	Metric	English	Comments
Cure Time	1440 min	24.0 hour	Full Cure

Descriptive Properties	Value	Comments
Appearance	Clear liquid	

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