

3M Scotch-Weld™ Thick 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-Thick-Instant-Wood-Adhesives-and-Surface-Activator.php

Physical Properties	Metric	English	Comments
Viscosity	>= 2250 cP	>= 2250 cP	

Mechanical Properties	Metric	English	Comments
Shear Strength	1.72 MPa	250 psi	Overlap, Particleboard, Substrate Failure
	2.76 MPa	400 psi	Overlap, MDF, Cohesive Failure
	2.76 MPa	400 psi	Overlap, Melamine, Substrate Failure
	4.14 MPa	600 psi	Overlap, Polyurethane Finish, Adhesive Failure
	4.83 MPa	700 psi	Overlap, Pine, Substrate/Cohesive Failure
	5.17 MPa	750 psi	Overlap, Polyacrylic Finish, Cohesive Failure
	6.21 MPa	900 psi	Overlap, High Pressure Laminate, Substrate Failure
	7.24 MPa	1050 psi	Overlap, Plywood, Cohesive Failure
	9.31 MPa	1350 psi	Overlap, Poplar, Substrate/Cohesive Failure
	9.31 MPa	1350 psi	Overlap, Maple, Substrate Failure
	16.5 MPa	2400 psi	Overlap, Oak, Substrate/Cohesive Failure
	18.6 MPa	2700 psi	Overlap, Aluminum, Adhesive Failure
	19.7 MPa	2850 psi	Overlap, Steel, Adhesive Failure
	0.758 MPa @Temperature 66.0 °C	110 psi @Temperature 151 °F	Overlap, Polyurethane Finish, Adhesive Failure
	3.79 MPa	550 psi	Overlap, Polyurethane Finish, 90% RH, Adhesive Failure

Mechanical Properties	@Temperature 32.0 °C Metric	@Temperature 89.6 °F English	Comments
	4.14 MPa	600 psi	Overlap, Pine, 90% RH, Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	4.83 MPa	700 psi	Overlap, Plywood, Substrate Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	5.86 MPa	850 psi	Overlap, Aluminum, 90% RH, Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	6.55 MPa	950 psi	Overlap, Pine, Adhesive Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	7.24 MPa	1050 psi	Overlap, Plywood, 90% RH, Substrate Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	12.4 MPa	1800 psi	Overlap, Oak, 90% RH, Substrate/Adhesive Failure
	@Temperature 32.0 °C	@Temperature 89.6 °F	
	13.1 MPa	1900 psi	Overlap, Oak, Substrate/Adhesive Failure
	@Temperature 66.0 °C	@Temperature 151 °F	
	13.8 MPa	2000 psi	Overlap, Aluminum, Adhesive Failure
	@Temperature 66.0 °C	@Temperature 151 °F	

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

Descriptive Properties	Value	Comments
Appearance	Clear-Slightly yellow liquid	

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