

3M Scotch-Weld™ EZ250120 Polyurethane Reactive (PUR) Easy 250 Wood Adhesive

Category : Polymer , Adhesive

Material Notes:

3M™ Scotch-Weld™ Polyurethane Reactive (PUR) Easy 250 Wood Adhesive is 100% solid, warm temperature applied, moisture curing urethanes. This product bonds well to wood and wood bases surfaces as well as select plastics. This product offers a wide variation of open and set times as well as the ability to produce very thin bond lines. Medium setting, low viscosity ideal for bonding wood and producing thin glue lines. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotch-Weld-EZ250120-Polyurethane-Reactive-PUR-Easy-250-Wood-Adhesive.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in³	
Brookfield Viscosity	3000 cP	3000 cP	Thermosel using spindle #27

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	
Tensile Strength at Break	27.6 MPa	4000 psi	ASTM D638 Die C
Elongation at Break	625 %	625 %	ASTM D638 Die C
Shear Strength	4.27 MPa	620 psi	Overlap, Maple
	@Temperature 82.0 °C	@Temperature 180 °F	
	13.4 MPa	1950 psi	Overlap, Maple
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	7.619 MPa	1105 psi	Overlap, Maple conditioned for 7 days AT RT/50% RH
	@Time Error in fixSigDigits: @digits must be between 1 a sec	@Time Error in fixSigDigits: @digits must be between 1 a hour	
	12.45 MPa	1805 psi	Overlap, Maple conditioned for 7 days AT RT/50% RH
	@Time 3600 sec	@Time 1.00 hour	
	13.20 MPa	1915 psi	Overlap, Maple conditioned for 7 days AT RT/50% RH
	@Time 86400 sec	@Time 24.0 hour	
	13.4 MPa	1950 psi	Overlap, Maple conditioned for 7 days AT RT/50% RH
	@Time 605000 sec	@Time 168 hour	

Mechanical Properties	13.62 MPa Metric	1975 psi English	Overlap, Maple conditioned for 7 days AT 111/50% RH
	@Time 259000 sec	@Time 72.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	

Processing Properties	Metric	English	Comments
Cure Time	2.00 min	0.0333 hour	Set Time

Descriptive Properties	Value	Comments
Appearance	white/off-white	

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