

## 3M Scotch-Weld™ EZ250150 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 a wide variety of plastics and wood to themselves and to metal glass. Long open and set time ideal for bonding a wide variety of substrates including wood, plastics and also bonds aluminum glass to plastics and wood. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotch-Weld-EZ250150-Polyurethane-Reactive-PUR-Easy-250-Wood-Adhesive.php](http://www.lookpolymers.com/polymer_3M-Scotch-Weld-EZ250150-Polyurethane-Reactive-PUR-Easy-250-Wood-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	
Brookfield Viscosity	9000 cP	9000 cP	Thermosel using spindle #27

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	
Tensile Strength at Break	22.8 MPa	3310 psi	ASTM D638 Die C
Elongation at Break	700 %	700 %	ASTM D638 Die C
Shear Strength	1.90 MPa	275 psi	Overlap, PVC
	@Temperature 82.0 °C	@Temperature 180 °F	
	2.83 MPa	410 psi	Overlap, Maple
	@Temperature 82.0 °C	@Temperature 180 °F	
	6.41 MPa	930 psi	Overlap, ABS, Substrate Failure
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	8.83 MPa	1280 psi	Overlap, Polyacrylic, Substrate Failure
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	10.3 MPa	1490 psi	Overlap, Polycarbonate
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	10.8 MPa	1570 psi	Overlap, Maple
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	11.55 MPa	1675 psi	Overlap, PVC
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Mechanical Properties	Metric Pa	English	Comments
	@Time Error in fixSigDigits: @digits must be between 1 a sec	@Time Error in fixSigDigits: @digits must be between 1 a hour	Overlap, PVC
	2.83 MPa	410 psi	
	@Time Error in fixSigDigits: @digits must be between 1 a sec	@Time Error in fixSigDigits: @digits must be between 1 a hour	Overlap, Maple
	3.65 MPa	530 psi	
	@Time 3600 sec	@Time 1.00 hour	Overlap, PVC
	5.62 MPa	815 psi	
	@Time 3600 sec	@Time 1.00 hour	Overlap, Maple
	7.93 MPa	1150 psi	
	@Time 605000 sec	@Time 168 hour	Overlap, Maple
	8.791 MPa	1275 psi	
	@Time 259000 sec	@Time 72.0 hour	Overlap, Maple
	8.83 MPa	1280 psi	
	@Time 86400 sec	@Time 24.0 hour	Overlap, Maple
	10.1 MPa	1460 psi	
	@Time 86400 sec	@Time 24.0 hour	Overlap, PVC
	10.5 MPa	1530 psi	
	@Time 259000 sec	@Time 72.0 hour	Overlap, PVC
	11.55 MPa	1675 psi	
	@Time 605000 sec	@Time 168 hour	Overlap, PVC
Peel Strength	8.77 kN/m	50.0 pli	180°, Polyacrylic
	8.77 kN/m	50.0 pli	180°, Aluminum
	9.64 kN/m	55.0 pli	180°, ABS
	10.5 kN/m	60.0 pli	180°, Glass
	13.1 kN/m	75.0 pli	180°, PVC, Cotton duck failed during testing
	16.7 kN/m	95.0 pli	180°, Polycarbonate, Cotton duck failed during testing

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

Processing Properties	Metric	English	Comments
Cure Time	2.50 min	0.0417 hour	Set Time

Descriptive Properties	Value	Comments
Appearance	white/off-white	

## Contact Songhan Plastic Technology Co.,Ltd.

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