

## Reltek BONDiT™ B-482 Adhesive, Sealant & Coating System

Category : Polymer , Adhesive , Thermoset

### Material Notes:

**Key Properties:** Excellent balance of chemical, electrical, and mechanical properties. Ruggedized, semi-flexible system. Very clean system. Ease of use. **Applications:** Encapsulate sensitive instrumentation for chemical isolation, outstanding moisture resistance, ruggedness and flexibility. Suitable for clean room use and direct contact with semiconductors. Very easy to use and clean two-part system. Superior for coating in marine applications and other harsh environments. Tough, chemically-resistant, non-blush clear coating with medium gloss finish. Bonds to most substrates. Ambient 24 hour or accelerated thermal cure.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reltek-BONDiT-B-482-Adhesive-Sealant-Coating-System.php](http://www.lookpolymers.com/polymer_Reltek-BONDiT-B-482-Adhesive-Sealant-Coating-System.php)

Physical Properties	Metric	English	Comments
Water Absorption	<= 1.0 %	<= 1.0 %	24hrs boiling DI water
Viscosity	2500 cP	2500 cP	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.94 MPa	2602 psi	2hrs @200°F+45days @ ambient; 2:1 Volume mix
Tensile Strength, Ultimate	18.73 MPa	2716 psi	Peak; 2hrs @200°F+45days @ ambient; 2:1 Volume mix
Tensile Strength, Yield	18.73 MPa	2717 psi	2hrs @200°F+45days @ ambient; 2:1 Volume mix
Elongation at Break	23.9 %	23.9 %	2hrs @200°F+45days @ ambient; 2:1 Volume mix
Elongation at Yield	11.3 %	11.3 %	2hrs @200°F+45days @ ambient; 2:1 Volume mix
Tangent Modulus	369.11 MPa	53535 psi	2hrs @200°F+45days @ ambient; 2:1 Volume mix

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 °C	350 °F	
Minimum Service Temperature, Air	-45.6 °C	-50.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	360 min	6.00 hour	Ambient Set
	720 min	12.0 hour	Ambient, tack free
	1440 min	24.0 hour	Ambient, 95% cure

Processing Properties	Metric	English	Comments
	@Temperature 65.6 °C	@Temperature 150 °F	50% cure
Pot Life	40 min	40 min	Ambient

Descriptive Properties	Value	Comments
Chemical & Moisture Resistance	2.5	0=Lowest, 4=Highest
Color	Clear with slight amber	
Flexibility Ranking	3	0=Rigid, 5=Highly Flexible

## Contact Songhan Plastic Technology Co.,Ltd.

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