

## Reltek BONDiT™ B-45TH Adhesive, Sealant & Coating System

Category : Polymer , Adhesive , Thermoset

### Material Notes:

**Key Properties:** Excellent adhesion to low surface energy plastics without primer. Bonding dissimilar materials. Chemical and shock resistance. Ease of use. **Applications:** Bonds difficult-to-bond substrates and dissimilar materials such as UHMW, polyethylene and acetal (Delrin) to steel, wood, plastics, rubber, urethane and concrete. Survives harsh environments, particularly moisture, marine and sub sea. Exceptional performance as a universal adhesive for industrial applications. Will cure underwater. Can be applied to oily surfaces. Ambient 24 hour or accelerated thermal cure.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reltek-BONDiT-B-45TH-Adhesive-Sealant-Coating-System.php](http://www.lookpolymers.com/polymer_Reltek-BONDiT-B-45TH-Adhesive-Sealant-Coating-System.php)

Physical Properties	Metric	English	Comments
Oil Absorption	<= 1.0 %	<= 1.0 %	60 days ambient, Isopar M
Water Absorption	<= 1.0 %	<= 1.0 %	90 days ambient DI water
Viscosity	2500 cP	2500 cP	Thixotropic

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	9.804 MPa	1422 psi	Post Cure 180°F, 24h
Tensile Strength, Ultimate	9.915 MPa	1438 psi	Peak; Post Cure 180°F, 24h
Tensile Strength, Yield	9.915 MPa	1438 psi	Post Cure 180°F, 24h
Elongation at Break	130 %	130 %	Post Cure 180°F, 24h
Elongation at Yield	130 %	130 %	Post Cure 180°F, 24h

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	Ambient Set
	720 min	12.0 hour	Ambient, tack free
	1440 min	24.0 hour	Ambient, 95% cure
Pot Life	240 min	4.00 hour	98% cure
	@Temperature 65.6 °C	@Temperature 150 °F	
Pot Life	30 - 40 min	30 - 40 min	Ambient

Descriptive Properties	Value	Comments
Color	Clear with haze/slight amber	

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**