

## Master Bond Supreme 3HT-80 One Component, Toughened, Heat Curing Epoxy

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

### Material Notes:

Master Bond Polymer System Supreme 3HT-80 is a one component, heat curing epoxy adhesive/sealant featuring excellent physical and chemical resistance properties and a minimal curing temperature of 170°-175°F - well below the 250°-300°F required by typical one part epoxies. It offers superior resistance to impact, thermal shock, vibration and stress fatigue cracking while maintaining the moisture, creep, corrosion and thermal resistance typical of epoxy resin adhesives.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-Supreme-3HT-80-One-Component-Toughened-Heat-Curing-Epoxy.php](http://www.lookpolymers.com/polymer_Master-Bond-Supreme-3HT-80-One-Component-Toughened-Heat-Curing-Epoxy.php)

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	
Viscosity	>= 150000 cP	>= 150000 cP	

Mechanical Properties	Metric	English	Comments
Shear Strength	6.76 MPa	980 psi	Tensile lap, Al/Al, 30 min cure at 175°F
	12.4 MPa	1800 psi	Tensile lap, Al/Al, 30 min cure at 250°F
Peel Strength	1.23 kN/m	7.00 pli	Al/Al, 30 min cure at 175°F
	2.63 kN/m	15.0 pli	Al/Al, 30 min cure at 250°F

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 °C	350 °F	
Minimum Service Temperature, Air	-73.3 °C	-100 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Dielectric Constant	3.8	3.8	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 121 °C	@Temperature 250 °F	
	30.0 min	0.500 hour	
	@Temperature 79.4 °C	@Temperature 175 °F	

Processing Properties	Metric 3.00 Month	English 00 Month	Comments unopened containers
	3.00 - 6.00 Month	3.00 - 6.00 Month	
	@Temperature 4.44 - 10.0 °C	@Temperature 40.0 - 50.0 °F	in original unopened containers

Descriptive Properties	Value	Comments
Color	White	

## 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