

## Master Bond Supreme 3HTND-2GT One Part, Toughened, Fast Curing Glob Top Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

Master Bond Polymer System Supreme 3HTND-2GT is a fast curing, toughened one component high performance epoxy adhesive/sealant which meets the growing need for precise positioning and bonding of microelectronic components and other devices on printed circuit boards and other electronic assemblies. It offers remarkably high durable protection against adverse environmental conditions, vibration, impact and thermal shock for components on circuit boards including the more fragile and delicate ones. Additionally, Supreme 3HTND-2GT has excellent electrical insulation properties, high physical strength characteristics and superior adhesion to metals, plastics and ceramics, as well as to flexible and rigid circuit board materials. Supreme 3HTND-2GT can be easily applied to specific, sharply defined circuit board areas and will not flow during application or cure beyond the desired board section.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-Supreme-3HTND-2GT-One-Part-Toughened-Fast-Curing-Glob-Top-Adhesive.php](http://www.lookpolymers.com/polymer_Master-Bond-Supreme-3HTND-2GT-One-Part-Toughened-Fast-Curing-Glob-Top-Adhesive.php)

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 70	>= 70	
Tensile Strength	>= 44.8 MPa	>= 6500 psi	
Shear Strength	12.4 MPa	1800 psi	Tensile lap, Al/Al

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 - 50.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	22.2 - 27.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-73.3 °C	-100 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	
Dielectric Constant	4.5	4.5	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	4.98 - 10.0 min	0.0830 - 0.167 hour	
	@Temperature 149 °C	@Temperature 300 °F	

Processing Properties	Metric	English	Comments
	18.0 ~ 30.0 min	0.500 ~ 0.500 hour	
	@Temperature 121 °C	@Temperature 250 °F	
Shelf Life	>= 6.00 Month	>= 6.00 Month	in original unopened containers

Descriptive Properties	Value	Comments
Color	yellow	
Viscosity	thixotropic paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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