

## Master Bond Supreme 3HTND-1SM Fast Curing, One Component, Surface Mount Adhesive

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

### Material Notes:

Master Bond Polymer System Supreme 3HTND-1SM is a one component, exceptionally fast curing surface mount adhesive system with exceptional toughness and durability. It has high shear and peel strength for optimal bonding performance and is formulated to cure rapidly (5-10 minutes at 300°F, faster at higher temperatures). Supreme 3HTND-1SM is packaged in syringes for easy dispensing and has been formulated to meet the most demanding performance and quality control requirements of the printed circuit board industry.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-Supreme-3HTND-1SM-Fast-Curing-One-Component-Surface-Mount-Adhesive.php](http://www.lookpolymers.com/polymer_Master-Bond-Supreme-3HTND-1SM-Fast-Curing-One-Component-Surface-Mount-Adhesive.php)

Physical Properties	Metric	English	Comments
Solids Content	100 %	100 %	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Shear Strength	12.4 MPa	1800 psi	Tensile lap, Al/Al
Peel Strength	>= 3.51 kN/m	>= 20.0 pli	Al/Al

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 - 45.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	22.2 - 25.0 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Maximum Service Temperature, Air	204 $^\circ\text{C}$	400 $^\circ\text{F}$	
Minimum Service Temperature, Air	-73.3 $^\circ\text{C}$	-100 $^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	4.98 - 10.0 min	0.0830 - 0.167 hour	
	@Temperature 149 $^\circ\text{C}$	@Temperature 300 $^\circ\text{F}$	
	19.8 - 30.0 min	0.330 - 0.500 hour	
	@Temperature 121 $^\circ\text{C}$	@Temperature 250 $^\circ\text{F}$	
Shelf Life	6.00 Month	6.00 Month	in original unopened containers

Descriptive Properties	Value	Comments
Color	Black	
Viscosity	paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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