

## Master Bond EP30DPMed USP Class VI, Two Component Epoxy Urethane System

Category : Polymer , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced , Epoxy, Cast, Unreinforced

### Material Notes:

Master Bond Polymer System EP30DPMED is a versatile, two component, epoxy-urethane elastomeric compound, featuring superior strength, toughness, and abrasion resistance for high performance bonding, sealing, casting and encapsulation. It combines the performance characteristics of epoxy resins such as strength, chemical resistance and adhesive qualities, with those of the polyurethanes including toughness, abrasion resistance and flexibility.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-EP30DPMed-USP-Class-VI-Two-Component-Epoxy-Urethane-System.php](http://www.lookpolymers.com/polymer_Master-Bond-EP30DPMed-USP-Class-VI-Two-Component-Epoxy-Urethane-System.php)

Physical Properties	Metric	English	Comments
Viscosity	>= 2500 cP	>= 2500 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	
Hardness, Shore D	45	45	
Tensile Strength	10.0 MPa	1450 psi	
Elongation at Break	>= 80 %	>= 80 %	

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	50.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Maximum Service Temperature, Air	121 °C	250 °F	
Minimum Service Temperature, Air	-269 °C	-452 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8	3.8	
Dielectric Strength	>= 16.5 kV/mm	>= 420 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 - 180 min	2.00 - 3.00 hour	
	@Temperature 93.3 °C	@Temperature 200 °F	
	2880 min	48.0 hour	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Processing Properties	Metric	English	Comments
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	in unopened containers

Descriptive Properties	Value	Comments
Mixing Ratio (A to B)	100/10	

## Contact Songhan Plastic Technology Co.,Ltd.

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