

## ITW Plexus Plexus<sup>®</sup>,ç MA550 Methacrylate Adhesive

Category : Polymer , Adhesive , Thermoset , Methacrylate , Methacrylate Adhesive

### Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. Excellent marine adhesive, UV stable. Information provided by Illinois Tool Works.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ITW-Plexus-Plexus-MA550-Methacrylate-Adhesive.php](http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA550-Methacrylate-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	Mixed
Viscosity	40000 - 60000 cP	40000 - 60000 cP	B
	130000 - 160000 cP	130000 - 160000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.1 - 13.8 MPa	1750 - 2000 psi	
Elongation at Break	35 - 45 %	35 - 45 %	
Tensile Modulus	0.276 - 0.345 GPa	40.0 - 50.0 ksi	
Shear Strength	8.96 - 12.4 MPa	1300 - 1800 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 Â°C	250 Â°F	
Minimum Service Temperature, Air	-55.0 Â°C	-67.0 Â°F	
Flash Point	10.6 Â°C	51.0 Â°F	TCC

Processing Properties	Metric	English	Comments
Pot Life	40 - 45 min	40 - 45 min	

Descriptive Properties	Value	Comments
Color	White	
Fixture Time	70-75 minutes	
Gap Filling	Max 0.375 in	
Mix Ratio	10:1	By volume

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

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