

## ITW Plexus Plexus<sup>®</sup>,ç MA425 Methacrylate Adhesive

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

### Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. All purpose adhesive, long open time. Information provided by Illinois Tool Works.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ITW-Plexus-Plexus-MA425-Methacrylate-Adhesive.php](http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA425-Methacrylate-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	0.965 g/cc	0.0348 lb/in <sup>3</sup>	Mixed
Viscosity	40000 - 60000 cP	40000 - 60000 cP	B
	100000 - 125000 cP	100000 - 125000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.8 - 17.2 MPa	2000 - 2500 psi	
Elongation at Break	120 - 140 %	120 - 140 %	
Tensile Modulus	0.276 - 0.345 GPa	40.0 - 50.0 ksi	
Shear Strength	10.3 - 12.4 MPa	1500 - 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	30 - 35 min	30 - 35 min	

Descriptive Properties	Value	Comments
Color	Blue	
Fixture Time	80-90 minutes	
Gap Filling	Max 0.375 in	
Mix Ratio	10:1	By volume

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

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