

## ITW Plexus Plexus<sup>®</sup>,ç MA350 Methacrylate Adhesive

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

### Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. Low viscosity adhesive, high strength, especially suitable for battery case applications. Information provided by Illinois Tool Works.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ITW-Plexus-Plexus-MA350-Methacrylate-Adhesive.php](http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA350-Methacrylate-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	0.989 g/cc	0.0357 lb/in <sup>3</sup>	Mixed
Viscosity	1500 - 1800 cP	1500 - 1800 cP	B
	1400 - 2000 cP	1400 - 2000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.6 - 31.0 MPa	4000 - 4500 psi	
Elongation at Break	5.0 - 10 %	5.0 - 10 %	
Tensile Modulus	1.72 - 1.90 GPa	250 - 275 ksi	
Shear Strength	13.8 - 17.2 MPa	2000 - 2500 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	Black	
Fixture Time	60-65 minutes	
Mix Ratio	2:1	By volume

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