

ITW Plexus Plexusâ„¸ MA1020 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 shrinkage, low odor, all purpose. Information provided by Illinois Tool Works.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA1020-Methacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Density	0.986 g/cc	0.0356 lb/in ³	Mixed
Viscosity	50000 - 70000 cP	50000 - 70000 cP	B
	100000 - 125000 cP	100000 - 125000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.1 - 13.8 MPa	1750 - 2000 psi	
Elongation at Break	90 - 110 %	90 - 110 %	
Tensile Modulus	0.414 - 0.552 GPa	60.0 - 80.0 ksi	
Shear Strength	8.62 - 11.0 MPa	1250 - 1600 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	4.0 - 6.0 min	4.0 - 6.0 min	

Descriptive Properties	Value	Comments
Color	Blue	
Fixture Time	15-20 minutes	
Gap Filling	Max 0.375 in	
Mix Ratio	10:1	By volume

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