

ITW Plexus Plexusâ„„ç MA1021 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, low shrinkage. Information provided by Illinois Tool Works.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA1021-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	13.8 - 17.2 MPa	2000 - 2500 psi	
Elongation at Break	80 - 100 %	80 - 100 %	
Tensile Modulus	0.414 - 0.552 GPa	60.0 - 80.0 ksi	
Shear Strength	12.1 - 15.5 MPa	1750 - 2250 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	Off-white, Blue	
Fixture Time	15-20 minutes	
Gap Filling	Max 0.375 in	
Mix Ratio	10:1	By volume

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