

ITW Plexus Plexusâ„¢ MA422 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, medium open time. Information provided by Illinois Tool Works.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA422-Methacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Density	0.971 g/cc	0.0351 lb/in ³	Mixed
Viscosity	10000 - 20000 cP	10000 - 20000 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	75 - 100 %	75 - 100 %	
Tensile Modulus	0.483 - 0.621 GPa	70.0 - 90.0 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	17 - 24 min	17 - 24 min	

Descriptive Properties	Value	Comments
Color	Blue	
Fixture Time	35-40 minutes	
Gap Filling	Max 0.375 in	
Mix Ratio	10:1	By volume

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