

ITW Plexus Plexusâ„¢ MA820 Methacrylate Adhesive

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

Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. Excellent for structural bonding of surface metals with no surface preparation. Information provided by Illinois Tool Works.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA820-Methacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Density	0.971 g/cc	0.0351 lb/in ³	Mixed
Viscosity	50000 - 80000 cP	50000 - 80000 cP	B
	90000 - 120000 cP	90000 - 120000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.8 - 25.5 MPa	3300 - 3700 psi	
Elongation at Break	75 - 100 %	75 - 100 %	
Tensile Modulus	0.517 - 0.689 GPa	75.0 - 100 ksi	
Shear Strength	1.38 - 16.5 MPa	200 - 2400 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, black	
Fixture Time	18-25 minutes	
Gap Filling	Max 1 in	
Mix Ratio	10:1	By volume

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