

ITW Plexus Plexus[®],ç MA590 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, long open time product and bond lines up to 1" thick. Information provided by Illinois Tool Works.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA590-Methacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	Mixed
Viscosity	175000 - 220000 cP	175000 - 220000 cP	A
	175000 - 220000 cP	175000 - 220000 cP	B

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 - 20.7 MPa	2500 - 3000 psi	
Elongation at Break	150 - 180 %	150 - 180 %	
Tensile Modulus	0.621 - 0.758 GPa	90.0 - 110 ksi	
Shear Strength	11.0 - 13.8 MPa	1600 - 2000 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	90 - 105 min	90 - 105 min	

Descriptive Properties	Value	Comments
Color	Black	
Fixture Time	1100 psi in 4 hours	
	800 psi in 3 hours	
Gap Filling	Max 1 in	

Mix Ratio
Descriptive Properties

1:1
Value

By volume
Comments

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