

ITW Plexus Plexusâ„¢ MA556 Methacrylate Adhesive

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

Material Notes:

Two-part adhesive designed for structural bonding of thermoplastic, metal, and composite assemblies. Standard for structural bonding in the marine industry. Information provided by Illinois Tool Works.

Order this product through the following link:
http://www.lookpolymers.com/polymer_ITW-Plexus-Plexus-MA556-Methacrylate-Adhesive.php

Physical Properties	Metric	English	Comments
Density	0.959 g/cc	0.0346 lb/in ³	Mixed
Viscosity	40000 - 60000 cP	40000 - 60000 cP	B
	180000 - 220000 cP	180000 - 220000 cP	A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 - 20.7 MPa	2500 - 3000 psi	
Elongation at Break	>= 140 %	>= 140 %	
Tensile Modulus	0.276 - 0.345 GPa	40.0 - 50.0 ksi	
Shear Strength	8.62 - 10.3 MPa	1250 - 1500 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	40 - 45 min	40 - 45 min	

Descriptive Properties	Value	Comments
Color	Off-white, blue	
Fixture Time	110-120 minutes	
Gap Filling	Max 1 in	
Mix Ratio	10:1	By volume

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