

Master Bond EP126 Two Component Toughened Epoxy Adhesive System

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

Material Notes:

Master Bond Polymer System EP126 is a two component toughened epoxy resin based high temperature resistant adhesive system with continuous service capability at 500°F and outstanding chemical resistance. This unique high performance epoxy adhesive compound can also withstand temperatures as high as 700°F for limited time periods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Master-Bond-EP126-Two-Component-Toughened-Epoxy-Adhesive-System.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	
Water Absorption	<= 1.5 %	<= 1.5 %	2 hour water boil

Mechanical Properties	Metric	English	Comments
Flexural Strength	59.3 MPa	8600 psi	
Flexural Modulus	4.00 GPa	580 ksi	
Shear Strength	9.24 MPa	1340 psi	Tensile lap, Al/Al
	@Temperature 260 °C	@Temperature 500 °F	
	9.72 MPa	1410 psi	Tensile lap, Stainless steel/Stainless steel
	@Temperature 260 °C	@Temperature 500 °F	
	15.9 MPa	2310 psi	Tensile lap, Stainless steel/Stainless steel
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	18.9 MPa	2740 psi	Tensile lap, Al/Al
	@Temperature 23.9 °C	@Temperature 75.0 °F	
	7.72 MPa	1120 psi	Tensile lap, Al/Al
	@Temperature 260 °C, Time 1.80e+6 sec	@Temperature 500 °F, Time 500 hour	
	8.00 MPa	1160 psi	Tensile lap, Stainless steel/Stainless steel
	@Temperature 260 °C, Time 1.80e+6 sec	@Temperature 500 °F, Time 500 hour	
Izod Impact, Notched	0.347 J/cm	0.650 ft-lb/in	
Peel Strength	>= 0.982 kN/m	>= 5.60 pli	Al/
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Mechanical Properties	>= 0.121 kN/m Metric >= 0.690 pli English Al	Comments
	@Temperature 260 °C, Time 1.80e+6 sec	@Temperature 500 °F, Time 500 hour

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	Continuous
Heat Distortion Temperature	>= 110 °C	>= 230 °F	

Descriptive Properties	Value	Comments
Gasoline immersion	<1.0%	14 days

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