

Resin Technology Group TIGA 216-EX High Performance Adhesive

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

Material Notes:

Mix ratio 2 to 1 by volume. TIGA 216-EX is a two-part epoxy adhesive offering outstanding shear tensile and peel adhesion. TIGA 216-EX offers a 60 minute pot life and good hardness development within a few hours of mixing. TIGA 216-EX is a toughened epoxy exhibiting rugged chemical and environmental resistance and durability. TIGA 216-EX is an excellent general purpose adhesive providing exceptional bond strength to a wide variety of substrates, PVC, FRP, Polyacrylic, Steel, and many more. Applications: TIGA 202-EX is excellent for general purpose high speed industrial assembly, electronic applications, component attachment to boards, housing assembly and potting. Information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-216-EX-High-Performance-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	Of hardener
	1.12 g/cc	1.12 g/cc	Of resin
Viscosity	60000 cP	60000 cP	Mixed
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 80	>= 80	Cured 12 hours at 25°C
	75 - 85	75 - 85	Cured 24 hours at 25°C
	80 - 85	80 - 85	
Shear Strength	>= 27.6 MPa	>= 4000 psi	2 hours, 65°C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	Small Mass(15gr.)
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Off-white/Opaque	

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