

EPOXY 87107

HIGH PERFORMANCE EPOXY ADHESIVE

TECHNICAL DATA

Product Description

Epoxy 87107 is a room temperature curing two part epoxy system designed to be used where high shock impact resistance is desired. This product exhibits strong bonds to a variety of substrates, including aluminum and other metals, ceramics, and plastics. Once encapsulated with Epoxy 87107 an electronic package will exhibit a higher resistance to both physical shock as well as exposure to water and other potentially harmful chemicals.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES
<ul style="list-style-type: none"> Electronic encapsulation 	<ul style="list-style-type: none"> Physical shock resistant Room temperature cure Moisture resistant Chemical resistant Low outgas Low shrinkage 	<ul style="list-style-type: none"> Aluminum Glass

UNCURED PROPERTIES*		
Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class, PT A:B	Epoxy : Amine	N/A
Color, PT A:B	Tan : Olive Green	N/A
Mixed Viscosity @ 25C	Flowable Viscous Liquid	N/A
Specific Gravity, PT A	1.47	TFTEST002
Specific Gravity, PT B	1.55	TFTEST002

CURED MECHANICAL PROPERTIES*		
Property	Value	Test Method
Durometer Hardness, Shore D	>85	TFTEST012
Moisture Resistance	Excellent	N/A
Modulus, Mpa (psi), @ Rm Temp	2,100	N/A
Tensile Shear Strength, Al/Al (psi) @ 25C	2,800	N/A
Dielectric Strength, Volt/mil	450	N/A
Strength @ Break (psi)	7,400	N/A
Elongation @ Break, %	3.5	N/A

CURE OVERVIEW*		
Property	Value	Test Method
Mix ratio by Volume, PT A:B	4:1	N/A
Work Life @ 25C, min	18	N/A
Cure Time @ 25C, hr	24	N/A
Cure Time @ 70C, min	15	N/A

Storage:

Store material in cool, dry location at a temperature between 10°C to 28°C. Keep from freezing. Refer to packaging specific quote for shelf life information. Consult MSDS for safe handling recommendations.

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