

Epoxies, Ect. 10-3005

Epoxy; Epoxide

Epoxies, Etc.

Message:

5 minute set epoxy

These high bond strength adhesives are clear 100% solids, two component, low viscosity adhesives with a quick setting time of 5-46 minutes at room temperature. They are excellent for bonding plated metals, pewter, glass, wood, ceramic, felt, cement, gem stones, most plastics and rubbers, etc... These adhesives were tested in our laboratory for flame retardancy properties. According to our test results they meet the requirements of UL94HB.

Applications:

These unique adhesives are ideally suited for a wide range of electronic, electrical, industrial, structural, and jewelry applications. These adhesives are also an excellent choice for field repairs. They are offered in the popular TriggerBond® dual barrel cartridge dispensing system and bulk packaging.

Features:

High bond strength

Fast room temperature cure - three speeds to choose from

Water and chemical resistance

Outstanding thermal shock resistance

1:1 mix ratio

Impact resistance

General Information		
Features	Bondability	
	Fast Cure	
	Flame Retardant	
	Good Adhesion	
	Good Chemical Resistance	
	Good Impact Resistance	
	Good Thermal Shock Resistance	
	Low to No Water Absorption	
	Low Viscosity	
Uses	Adhesives	
	Bonding	
	Electrical/Electronic Applications	
	Industrial Applications	
	Jewelry	
	Structural Parts	
Appearance	Clear/Transparent	
Impact	Nominal Value	Unit
Notched Izod Impact	140	J/m
Thermal	Nominal Value	Unit
CLTE - Flow	6.0E-5	cm/cm/°C
Thermoset	Nominal Value	Unit
Thermoset Mix Viscosity (25°C)	12000	cP

Additional Information	Nominal Value	Unit
Handle Time (25°C)	15.0 to 20.0	min
Operating Temperature	-50.0 to 130	°C
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Mix Ratio by Weight (PBW)		
Part A	1.0	
Part B	1.0	
Solids Content	100	%
Density (25°C)	1.15	g/cm ³
Curing Time (25°C)	24 to 48	hr
Pot Life (25°C)	3.0 to 4.8	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	86	
Compression Strength	58.6	MPa
Electric Strength	17	kV/mm
Relative Permittivity (1 kHz, 25°C)	4.00	
Volume Resistivity (25°C)	2.0E+14	ohms·cm
Dissipation Factor (1 kHz)	0.017	

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