

Epoxies, Ect. 10-3044

Epoxy; Epoxide

Epoxies, Etc.

Message:

10-3044 is a two component epoxy adhesive and sealant. This structural adhesive has excellent chemical and heat resistance. 10-3044 is widely used as a stencil and screen adhesive due to its bonding strength and toughness. It has been used extensively to bond polyester mesh to aluminum frames and for the bonding of stainless steel foil to polyester mesh.

- Benefits:
- Bonds to a variety of substrates
 - Resistant to severe chemical environments
 - High operating temperature
 - Fast Curing
 - Resistant to shock, vibration and flexing

General Information		
Features	Bondability	
	Fast Cure	
	Good Adhesion	
	Good Chemical Resistance	
	Good Flexibility	
	Good Toughness	
	High Heat Resistance	
	Shock Resistant	
Uses	Adhesives	
	Bonding	
	Sealants	
	Structural Parts	
Appearance	White	
Additional Information	Nominal Value	Unit
Operating Temperature	-60.0 to 140	°C
Uncured Properties	Nominal Value	Unit
	Green	
	Grey	
Color	White	
Mix Ratio by Weight (PBW)		
Part A	100	

Part B	55	
Mix Ratio by Volume (PBV)		
Part A	100	
Part B	50	
Density		
25°C ¹	1.49	g/cm ³
25°C ²	1.65	g/cm ³
Viscosity		
25°C ³	110	Pa·s
25°C ⁴	180	Pa·s
Curing Time		
60°C	0.17	hr
54°C	0.25	hr
25°C	2.0	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	88	
Lap Shear Strength	20.7	MPa
Electric Strength	18	kV/mm
Relative Permittivity (1 MHz)	3.80	
Dissipation Factor (1 MHz)	0.060	
NOTE		
1.	Part A	
2.	Part B	
3.	Part B	
4.	Part A	

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