

Epoxies, Ect. 10-3713

Epoxy; Epoxide

Epoxies, Etc.

Message:

10-3713 is used as a two component ultra clear epoxy adhesive designed for a variety of bonding applications. 10-3713 forms a crystal clear bond line and is formulated with proprietary ultraviolet protectors to minimize yellowing of the cured epoxy. This adhesive when UV aged in a QUV Weatherometer outperforms other commercially available adhesives. Any excess adhesive or visible bond lines are less noticeable due to the adhesives outstanding clarity.

10-3713 is low in viscosity and therefore offers maximum wetting and penetration of substrates. Tenacious bonds are formed at room temperature or with mild heat. 10-3713 should be used anywhere a clear, strong bond is required.

- Features:
- Gap filling
 - UV protected
 - Water clear
 - Outstanding adhesion
 - Low viscosity
 - Bonds to most substrates

General Information		
Features	Bondability	
	Good Adhesion	
	High Clarity	
	Low Viscosity	
Uses	Adhesives	
	Bonding	
Appearance	Clear/Transparent	
Processing Method	Encapsulating	
	Potting	
Thermal	Nominal Value	Unit
CLTE - Flow	5.0E-5	cm/cm/°C
Thermal Conductivity	0.42	W/m/K
Additional Information	Nominal Value	Unit
Operating Temperature	-50.0 to 150	°C
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	
Mix Ratio by Weight (PBW)		
Part A	2.0	
Part B	1.0	
Density (25°C)	1.11	g/cm³
Viscosity ¹ (25°C)	0.65	Pa·s
Curing Time		

55°C	0.12	hr
45°C	0.33	hr
35°C	1.5	hr
30°C	3.5	hr
25°C	24	hr
Pot Life (25°C)	45	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	80	
Tensile Strength	64.8	MPa
Electric Strength	22	kV/mm
Volume Resistivity	5.0E+15	ohms·cm
NOTE		
1.	Mixed	

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