

Epoxies, Ect. 40-3911

Epoxy; Epoxide

Epoxies, Etc.

Message:

40-3911 is an electrically conductive epoxy adhesive. 40-3911 is formulated without solvents and is therefore a 100% solids system. It is highly filled with silver resulting in a volume resistivity of 5×10^4 ohm-cm.

This one component system cures quickly at elevated temperatures making it a suitable adhesive for many electronic assembly operations. It is a good choice for lid sealing and die bonding applications.

Features:

Electrically conductive

Thermally conductive

Cures quickly with heat

One component - no mixing required

Solvent-free

General Information		
Filler / Reinforcement	Silver	
Features	Electrically Conductive	
	Fast Cure	
	Good Adhesion	
	Thermally Conductive	
Uses	Adhesives	
	Bonding	
	Electrical/Electronic Applications	
	Seals	
Appearance	Silver	
Thermal	Nominal Value	Unit
Glass Transition Temperature	> 140	°C
CLTE - Flow	4.5E-5	cm/cm/°C
Thermal Conductivity	2.4	W/m/K
Uncured Properties	Nominal Value	Unit
Color	Silver	
Density (25°C)	4.04	g/cm ³
Curing Time		
160°C	0.17	hr
150°C	0.50	hr
120°C	1.0	hr
Pot Life ¹ (25°C)	130000	min
Shelf Life		
25°C	3	month
-10°C	6	month

-40°C	12	month
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	85	
Volume Resistivity ²	5.3E-4	ohms·cm
NOTE		
1.	100 grams	
2.	Cured @ 160°C for 20 minutes	

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