

Epoxies, Ect. 50-3186 NC

Epoxy; Epoxide

Epoxies, Etc.

Message:

50-3186 NC is a two part thermally conductive epoxy adhesive. This thixotropic adhesive provides high temperature bonds to a variety of substrates. 50-3186 NC is a perfect choice for applications requiring high thermal conductivity, low thermal expansion, and high operating temperature performance.

General Information		
Features	Bondability	
	Good Adhesion	
	High Heat Resistance	
	Thermally Conductive	
	Thixotropic	
Uses	Adhesives	
	Bonding	
Mechanical	Nominal Value	Unit
Flexural Strength	119	MPa
Thermal	Nominal Value	Unit
CLTE - Flow	2.8E-5	cm/cm/°C
Thermal Conductivity	1.4	W/m/K
Additional Information	Nominal Value	Unit
Operating Temperature	-40.0 to 230	°C
Uncured Properties	Nominal Value	Unit
Density (25°C)	2.39	g/cm³
Curing Time		
205°C	2.0	hr
175°C	3.0	hr
150°C	6.0	hr
120°C	8.0	hr
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore D)	90	
Tensile Strength	18.6	MPa
Volume Resistivity (25°C)	1.0E+15	ohms · cm

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