

EPO-TEK® OD2003

Epoxy; Epoxide

Epoxy Technology Inc.

Message:

A two component, low temperature curing, nano rubber toughened epoxy. It has very good adhesion on metals and other substrates, excellent shear strength and vibration resistance.

Formerly 77-124-1

General Information		
Features	Good Adhesion	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Thermal	Nominal Value	Unit
Glass Transition Temperature	88.0	°C
Optical	Nominal Value	Unit
Refractive Index ¹	1.544	
Transmittance		
540 to 800 nm	> 96.0	%
800 to 1600 nm	> 98.0	%
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 100	
Part B	Mix Ratio by Weight: 40	
Shelf Life (23°C)	52	wk
Additional Information	Nominal Value	Unit
Degradation Temperature	366	°C
Operating Temperature		
Continuous	-55 to 200	°C
Intermittent	-55 to 300	°C
Weight Loss on Heating		
200°C	0.080	%
250°C	0.13	%
300°C	1.4	%
Uncured Properties	Nominal Value	Unit
Color		
-- ²	Amber	
-- ³	White	

Density		
Part B	0.968	g/cm ³
Part A	1.14	g/cm ³
Viscosity ⁴ (23°C)	8.2	Pa·s
Curing Time (80°C)	> 1.0	hr
Pot Life	60	min
Cured Properties	Nominal Value	Unit
Lap Shear Strength (23°C)	> 13.8	MPa
NOTE		
1.	589 nm	
2.	Part B	
3.	Part A	
4.	20 rpm	

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