

# EPO-TEK® EV2118-2

Epoxy; Epoxide

Epoxy Technology Inc.

## Message:

A silver-filled, electrically conductive epoxy designed for semiconductor and electronic assembly.  
Formerly 78-118-2

General Information		
Filler / Reinforcement	Silver	
Features	Electrically Conductive	
Uses	Adhesives	
	Electrical/Electronic Applications	
Agency Ratings	EC 1907/2006 (REACH)	
	EU 2003/11/EC	
	EU 2006/122/EC	
RoHS Compliance	RoHS Compliant	
Forms	Paste	
Physical	Nominal Value	Unit
Particle Size	20.0	µm
Degradation Temperature	325	°C
Operating Temperature		
Continuous	-55 to 150	°C
Intermittent	-55 to 250	°C
Storage Modulus	4.73	GPa
Thixotropic Index	4.40	
Weight Loss on Heating		
200°C	0.61	%
250°C	0.84	%
300°C	1.6	%
Thermal	Nominal Value	Unit
Glass Transition Temperature	40.0	°C
Thermal Conductivity	4.0	W/m/K
Thermoset	Nominal Value	Unit
Thermoset Components		
Part A	Mix Ratio by Weight: 1.0	
Part B	Mix Ratio by Weight: 1.0	
Shelf Life (23°C)	52	wk
Uncured Properties	Nominal Value	Unit

Color		
-- 1	Silver	
-- 2	Silver	
Density		
Part A	2.52	g/cm <sup>3</sup>
Part B	3.32	g/cm <sup>3</sup>
Viscosity <sup>3</sup> (23°C)	2.8	Pa·s
Curing Time (150°C)	0.17	hr
Pot Life	4300	min
Cured Properties	Nominal Value	Unit
Shore Hardness (Shore A)	55	
Volume Resistivity (23°C)	< 5.0E-4	ohms·cm
NOTE		
1.	Part B	
2.	Part A	
3.	100 rpm	

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#### Recommended distributors for this material

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