



Product Information Sheet EPO-TEK® EJ2108

Date: August 2019
Rev: X
No. of Components: Two
Mix Ratio by Weight: 2 : 1
Specific Gravity: Part A: 3.35 Part B: 3.76
Pot Life: 1 Hour
Shelf Life- Bulk: Six months at room temperature
Shelf Life- Syringe: Six months at -40°C

Recommended Cure: 150°C / 1 Hour

Minimum Alternative Cure(s):
May not achieve performance properties listed below
 80°C / 2 Hours
 23°C / 3 Days

NOTES:

- Container(s) should be kept closed when not in use.
- Filled systems should be stirred thoroughly before mixing and prior to use.
- Performance properties (rheology, conductivity, others) of the product may vary from those stated on the data sheet when bi-pak/syringe packaging or post-processing of any kind is performed. Epoxy's warranties shall not apply to any products that have been reprocessed or repackaged from Epoxy's delivered status/container into any other containers of any kind, including but not limited to syringes, bi-paks, cartridges, pouches, tubes, capsules, films or other packages.
- Syringe packaging will impact initial viscosity and effective pot life, potentially beyond stated parameters.

Product Description: Two component flexible, silver-filled, electrically and thermally conductive low temperature curing adhesive.

Typical Properties: Cure condition: varies as required Different batches, conditions & applications yield differing results.

Data below is not guaranteed. To be used as a guide only, not as a specification. * denotes test on lot acceptance basis

PHYSICAL PROPERTIES:			
* Color (before cure):	Part A: Silver	Part B: Silver	
* Consistency:	Smooth highly thixotropic paste		
* Viscosity (23°C) @ 10 rpm:	8,000-20,000	cPs	
Thixotropic Index:	3.0		
* Glass Transition Temp:	≥ 30	°C (Dynamic Cure: 20-200°C/ISO 25 Min; Ramp -10-200°C @20°C/Min)	
Coefficient of Thermal Expansion (CTE):			
	Below Tg:	56	x 10 ⁻⁶ in/in°C
	Above Tg:	223	x 10 ⁻⁶ in/in°C
Shore D Hardness:	55		
Shore A Hardness:	93		
Lap Shear @ 23°C:	796	psi	
Die Shear @ 23°C:	≥ 5	Kg	1,778 psi
Degradation Temp:	276	°C	
Weight Loss:			
	@ 200°C:	0.26	%
	@ 250°C:	0.62	%
Suggested Operating Temperature:	< 175	°C (Intermittent)	
Storage Modulus:	2,553	psi	
* Particle Size:	≤ 20	microns	

ELECTRICAL AND THERMAL PROPERTIES:			
Thermal Conductivity:	4.0	W/mK	
*Volume Resistivity @ 23°C (150°C/1 Hour):	≥ 0.0001	Ohm-cm	
Volume Resistivity @ 23°C (80°C/2 Hours):	≥ 0.0002	Ohm-cm	
Volume Resistivity @ 23°C (25°C/60%RH/3 Days) :	≥ 0.0004	Ohm-cm	

This information is based on data and tests believed to be accurate. Epoxy Technology, Inc. makes no warranties (expressed or implied) as to its accuracy and assumes no liability in connection with any use of this product.

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