

Product Information Sheet

EPO-TEK® EJ2312

Date: April 2023
Rev: X
No. of Components: Two
Mix Ratio by Weight: 100 : 5
Specific Gravity: Part A: 3.38 Part B: 1.03
Pot Life: 90 Minutes
Shelf Life- Bulk: One year at room temperature

Recommended Cure: 150°C / 1 Hour

Minimum Alternative Cure(s):

May not achieve performance properties listed below
 23°C / 24 Hours

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 room temperature curing electrically conductive adhesive.

Typical Properties: Cure condition: 150°C / 1 Hour 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: | | Cure Condition: 150°C / 1 Hour | |
|----------------------------------|----------------|--------------------------------|---|
| * Color (before cure): | Part A: Silver | Part B: Clear/Light Yellow | |
| * Consistency: | Viscous paste | | |
| * Viscosity (23°C) @ 1 rpm: | 40,000-80,000 | cPs | |
| Thixotropic Index: | 2.6 | | |
| Glass Transition Temp: | N/A | | |
| Shore D Hardness: | 73 | | |
| Die Shear @ 23°C: | ≥ 5 | Kg | |
| Lap Shear @ 23°C: | N/A | | |
| Degradation Temp: | 329 | °C | |
| Weight Loss: | | | |
| | @ 200°C: | 0.09 | % |
| | @ 250°C: | 0.37 | % |
| | @ 300°C: | 0.95 | % |
| Suggested Operating Temperature: | < 250 | °C (Intermittent) | |
| * Particle Size: | ≤ 45 | microns | |

| ELECTRICAL AND THERMAL PROPERTIES: | | |
|---|----------|--------|
| Thermal Conductivity: | 5.6 | W/mK |
| * Volume Resistivity @ 23°C (Cured 150°C/1 hour): | ≤ 0.0001 | Ohm-cm |
| Volume Resistivity @ 23°C (Cured 90°C/30 min): | 0.0001 | Ohm-cm |
| Volume Resistivity @ 23°C (Cured 85°C/1 hour): | 0.0001 | Ohm-cm |
| Volume Resistivity @ 23°C (Cured 65°C/2 hours): | 0.0002 | 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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