

**ACURA™ 80101**

**ELECTRICALLY CONDUCTIVE, ONE PART EPOXY**

**TECHNICAL DATA**

**February 2016**

**Product Description**

Silver filled epoxy system to be used as a solder replacement. Quick cure providing excellent electrical conductivity, high temperature and chemical resistance.

**APPLICATIONS**

- Electrical Assembly
- Electronic Assembly

**FEATURES**

- RoHS & REACH Compliant
- One Component
- 30 Minute Cure

**SUBSTRATES**

- Metals
- Ceramics
- Glass

**PACKAGING**

- Syringes

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Property	Value
Chemical Class	Epoxy Amine
Appearance	Silver
Viscosity	Non Sag Paste
Specific Gravity	3.30

**TYPICAL PROPERTIES OF CURED MATERIAL**

Property	Value
Glass Transition Temperature (Tg), °C	120
Lap Shear Strength, Al/Al, PSI	900
Hardness, Shore	D80
Ultimate Tensile Strength, PSI	2,500
Elongation at Break, %	3
Operating Temperature (°C)	-20 to 150
Volume Resistivity, Ω-cm	3 x 10 <sup>-4</sup>

**\*All properties given are typical values and are not intended for use in preparing specifications.**

**CURE OVERVIEW**

Cure Options: Min @ 120°C	120
Cure Options: Min @ 150°C	30
Clean-Up Solvent	Isopropyl Alcohol

**SHELF LIFE, STORAGE**

5°C ± 3 6 months DOM

CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

**THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY**

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