

ACURA™ 80201

ELECTRICALLY CONDUCTIVE, TWO PART EPOXY

TECHNICAL DATA **APRIL 2016**

Product Description

An electrically conductive, silver filled epoxy adhesive recommended for bonding and sealing electronic applications which require a combination of good mechanical and electrical properties. Smooth paste, creates strong, durable, bonds and coatings between dissimilar materials. Can act as a "cold solder" for heat sensitive components. Complies with the requirements of NASA's Outgassing Specification.

APPLICATIONS

- Electrical Assembly
- Electronics

FEATURES

- RoHS & REACH Compliant
- Silver Filled
- Meets NASA Outgassing Spec.

SUBSTRATES

- Metals
- Ceramics
- Plastics

PACKAGING

- Burst Seal Pack
- Bulk

TYPICAL PROPERTIES OF UNCURED MATERIAL

Property	Value, Part A	Value, Part B
Chemical Class	Epoxy	Amine
Appearance	Silver	Yellow
Viscosity, 1 RPM @ 25°C, cps	600,000 to 700,000	600 to 670
Viscosity, 10 RPM @ 25°C, cps	260,000 to 290,000	600 to 670
Specific Gravity	3.00	1.02
Mix Ratio by Weight	100	6

TYPICAL PROPERTIES OF CURED MATERIAL

Property	Value
Glass Transition Temperature (Tg), °C	80
Lap Shear Strength, Al/Al, PSI	>1000
Hardness, Shore	D85
Ultimate Tensile Strength, PSI	3,000
Elongation at Break, %	4
Operating Temperature (°C)	-60 to 125
Volume Resistivity, Ω-cm	3 x 10 ⁻⁴

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

CURE OVERVIEW

Gel Time (15cc mass), Min	30
Cure Options: Hrs @ 25°C	24
Cure Options: Hrs @ 65°C	2
Cure Options: Hrs @ 100°C	1
Clean-Up Solvent	Isopropyl Alcohol

SHELF LIFE, STORAGE

18 ± 10°C 6 Months DOM

CONSULT SDS FOR SAFE HANDLING RECOMMENDATIONS.

THIS MATERIAL IS SOLD FOR INDUSTRIAL USE ONLY

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