

Key Features

Bonds Well to Most Substrates
Color Darkens When Cured
High Glass Transition Temperature
High Temperature Resistant
Long Pot Life
Listed on NASA Low Outgassing Website
Resistant to Fuel, Lubricants, Water and Weather
User-friendly Packaging

Uncured

Pot Life @ 25°C: 7 hours
Viscosity @ 25°C: 5,000 cPs
Color: Amber
Shelf Life @ -40°C: 9 Months

Cure Options

16 hours @ 25°C + 1 hour @ 120°C
16 hours @ 25°C + 3 hours @ 100°C
16 hours @ 25°C + 5 minutes @ 150°C

Cured Properties

(Based on cure of 1 hour @ 120°C)
Color Dark Red
Shore D Hardness 85
Glass Transition Temp (°C) 130
Density (g/cc) 1.2
Lap Shear 2024T3 Clad (psi) 2,500

Electrical Properties

(Based on cure of 1 hours @ 120°C)
Volume Resistivity (ohm-cm) 4.7E 16@ 500 VDC

Product Description:

5010 is an amber, electrically isolating, precision mixed, degassed, and frozen epoxy. It bonds well to most substrates such as glass, plastics, and ceramics. This material changes color upon cure to a dark red color. This material is specifically designed to have a long pot life and a high glass transition temperature making this epoxy ideal for operating at elevated temperatures. 5010 is resistant to fuel, lubricants, water, and weather and features a low viscosity and user-friendly packaging.

Thermal Properties

(Based on cure of 1 hour @ 120°C)
Glass Transition Temp (°C) 130
Degradation Temp. (°C) 300

Outgassing Properties

(Based on cure of 1 hour @ 120°C)
TML (%) 0.51
CVCM (%) 0.00
WVR (%) 0.43

The data contained herein is provided for informational purposes only and are believed to be reliable. APPLI-TEC does not guarantee suitability of this product for any resultant application or freedom from patent infringement. Furthermore, APPLI-TEC disclaims any liability for incidental and consequential damages of any kind including but not limited to lost profits.