



# TECHNICAL DATA SHEET

TDS# 1076

DATE: AUGUST 2014

## BACON INDUSTRIES

### COIL IMPREGNANT NO. 6

Bacon Industries' Coil Impregnants are unfilled, low viscosity, two-part compounds. Their prime application is the impregnation of electronic components containing a high percentage of fine wires where complete penetration and freedom from voids is important. These compounds are also useful for casting and coating applications where a low viscosity material is required.

### RECOMMENDED MIXING AND HANDLING PARAMETERS

Activator	BA-45
Parts by weight of activator required per hundred of adhesive	23.0
Viscosity of activated impregnant at 75°F, poise	8.5
Surface Tension of activated impregnant at 75°F, dyne/cm	43
Recommended Cure , hr/°F	4/212
Pot Life at 75°F, hr	24

### TYPICAL PROPERTIES OF CURED ADHESIVE:

Gyro Grade <sup>1</sup>	yes
Hardness, Shore D	85
Coefficient of Linear Thermal Expansion between -65°F and 80°F, 10 <sup>-6</sup> /°F	40
Water Absorption (24 hr immersion at 75°F), %	0.10
Yield Strength in flexure, 10 <sup>3</sup> psi	12
Young's Modulus in flexure, 10 <sup>6</sup> psi	0.3
Specific Gravity	1.18
Dielectric Constant at 1kHz	3.7
Dissipation Factor at 1kHz	0.002
Volume Resistivity, ohm-cm	1x10 <sup>16</sup>

#### Notes:

<sup>1</sup>Each batch of material, after cure, is tested to insure conformity to rigid specifications for absence of volatiles and compatibility with a poly(chlorotrifluoroethylene) gyro oil.

(over)

**FOR INDUSTRIAL USE ONLY! WARNING!!**

May cause injury to skin following prolonged or repeated contact. Use with adequate ventilation. Hands or other skin areas coming into contact with these materials should be washed thoroughly with soap and water. See also Material Safety Data Sheets for health and safety information.

**SHELF LIFE:**

The shelf life of Coil Impregnant No. 6 and Activator BA-45 is two years if stored unopened below 85°F.

**AVAILABILITY:**

Coil Impregnant No. 6 and Activator BA-45 are available in bulk kits as well as premixed, degassed and frozen in Freeze-