



TECHNICAL DATA SHEET

TDS# 1079

DATE: JUNE 2013

BACON INDUSTRIES

COIL IMPREGNANT NO. 9

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-182
Parts by weight of activator required per hundred of adhesive	34.0
Viscosity of activated impregnant at 75°F, poise	11
Surface Tension of activated impregnant at 75°F, dyne/cm	-
Viscosity of mixed adhesive at Room Temperature, cP	4/212
Recommended Cure, hr/°F	24
Pot Life at 75°F, hr	

TYPICAL PROPERTIES OF CURED ADHESIVE:

Gyro Grade ¹	yes
Hardness, Shore D	86
Coefficient of Linear Thermal Expansion between -65°F and 80°F, 10 ⁻⁶ /°F	31
Water Absorption (24 hr immersion at 75°F), %	0.2
Yield Strength in flexure, 10 ³ psi	19
Young's Modulus in flexure, 10 ⁶ psi	0.3
Specific Gravity	1.12
Dielectric Constant at 1kHz	3.7
Dissipation Factor at 1kHz	0.009
Volume Resistivity, 10 ¹⁷ ohm-cm	3x10 ¹⁶

Notes:

¹Each 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 recommended impregnation procedure, see Data Sheet 1031.

FOR INDUSTRIAL USE ONLY! WARNING!!

May cause injury to skin following prolonged or repeated contact. Activator BA-182 may cause skin burns and eye injury. 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:

Over two years when stored in unopened cans at an average temperature below 85°F.

AVAILABILITY:

For available package sizes and prices, see Data Sheets 1201 and 1211. These materials are available also in ONE-SHOT kits and premixed and frozen in FREEZE PAKS (see Data Sheet No. 2201 and 2031).