



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.

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