



# TECHNICAL DATA SHEET

TDS# 2408

DATE: JUNE 2013

## BACON INDUSTRIES

### HIGH STRENGTH ADHESIVE FFA-8

Adhesive FFA-8 is a clear fluid epoxy-polyamide system for use as an adhesive or for potting. It has a long pot life at room temperature, good resistance to mechanical shock and has high strength if heat-cured. For medical applications, it meets the requirements of USP XXIII, Class VI-50°C/72 hours (ethylene oxide) Testing for Plastics.

### RECOMMENDED MIXING AND HANDLING PARAMETERS

Resin	FFA-8
Activator	BA-15
Parts by weight of activator required per hundred of resin	100
Work Life at Room Temperature, hours	2
Viscosity of mixed adhesive at 77°F, poise	150
Recommended Cure, hr/°F	3.5/200
Alternate cure, hr/°F	72/77

### TYPICAL PROPERTIES OF CURED ADHESIVE:

Color	Clear amber
Specific Gravity	1.1
Hardness, Shore D	82
Water Absorption (24 hour immersion) at 77°F, %	0.22
Lap Shear Strength to aluminum at 77°F, psi	4500
Yield Strength in flexure at 77°F, psi	10,500
Young's Modulus in flexure at 77°F, psi	220,000
Glass Transition temperature, °F	
By DSC	158
By TMA	140
Coefficient of Linear Thermal Expansion, 10 <sup>-6</sup> /°F	
from -65°F and 77°F	38
from 77°F to 140°F	53
Dielectric Constant at 77°F and 1kHz	2.92
Dissipation Factor at 77°F and 1kHz	0.006
Volume Resistivity at 77°F, ohm-cm	2x10 <sup>16</sup>

(over)

