



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 ⁻⁶ /°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 ¹⁶

(over)

INSTRUCTIONS FOR USE:

Mix, at room temperature, equal parts by weight of Adhesive FFA-8 and Activator BA-15. Wait about 15 minutes and remix well. Apply and cure as recommended.

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 the adhesive or activator should be washed thoroughly with soap and water. See Material Safety Data Sheets for additional health and safety information.

AVAILABILITY:

Adhesive FFA-8 is available in bulk kits as well as premixed, degassed and frozen.