



TECHNICAL DATA SHEET

TDS# 2601

DATE: JUNE 2013

BACON INDUSTRIES

FLEXIBLE PASTE-LIKE EPOXY ADHESIVE FTA-101

Adhesive FTA-101 is a modified epoxy adhesive whose flexibility may be varied with different activator ratios. Because of its paste-like consistency, it does not run from vertical surfaces. It is useful as a general purpose adhesive for application to a wide variety of substrates.

RECOMMENDED MIXING AND HANDLING PARAMETERS

Adhesive	FTA-101	FTA-101
Activator ¹	BA-161	BA-161
Parts by weight of activator required per hundred of adhesive	100	150
Consistency	Light paste	Light paste
Work life at 77°F, hr	6	4

TYPICAL PROPERTIES OF CURED ADHESIVE:

Cure, time/°F	<u>2hr/160 7day/77</u>		<u>2hr/160 7day/77</u>	
	Black	Black	Black	Black
Color	Black	Black	Black	Black
Hardness, Shore D	73	72	52	62
Flexural Modulus, 10 ³ psi	80	190	---	---
Yield Strength, psi	3200	6800	---	---
Lap Shear Strength to aluminum, psi	3600	3400	1600	2100
Coefficient of Linear Thermal Expansion, 10 ⁻⁶ /°F	between -65°F and 32°F		43	40
	between 160°F and 212°F		124	151
Glass Transition temperature (TMA), °F	113	105	37	52
Water Absorption (24 hour immersion at 77°F), %	0.71	---	2.52	---
Dielectric Constant at 1 kHz	3.5	3.9	4.2	4.0
Dissipation Factor at 1 kHz	0.04	0.06	0.09	0.06
Volume Resistivity, 10 ¹² ohm-cm	430	1200	6	25

NOTE:

1. Activator BA-15 may be used instead of Activator BA-161 at the same mix ratios and will give the same cured properties. Activator BA-161 is a paste whereas Activator BA-15 is a free-flowing liquid. When using Activator BA-15, the mixed system will flow and can be classified as a thixotropic liquid.

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