



# 10-3040

## CHEMICAL RESISTANT EPOXY ADHESIVE

### DESCRIPTION:

10-3040 is a two component chemical resistance epoxy adhesive system. It was developed for potting, coating, and adhesive applications requiring superior chemical resistance. It exhibits outstanding bonds to a variety of substrates.

10-3040 contains solid glass spheres for the purpose of controlling bond thickness.

10-3040 is available in the FreezeBond™, Premixed and Frozen Syringes. The part number in 3cc syringes; F10-3040GR46.

### FEATURES:

- Excellent chemical resistance
- Excellent water resistance
- Excellent adhesion to metals & plastics
- DOT noncorrosive

### TYPICAL SPECIFICATIONS:

Color	
Resin	Black
Hardener	White
Mixed	Grey
Viscosity, 25°C, cps	
Resin	Gel
Hardener	Gel
Specific Gravity, 25°C	
Resin	1.06
Hardener	1.06
Mix ratio by volume (Resin:Hardener)	2:1
Mix ratio by weight (Resin:Hardener)	100:45
Gel time, 100 grams, 25°C	90 minutes
Operating Temperature, °C	-50 to + 150°
Glass Transition Temp., °C	50
Tensile strength, psi	7,600
Tensile elongation, %	3.2
Hardness, shore D	78
Dielectric constant	3.61
Dissipation factor	0.021

## CHEMICAL RESISTANT DATA FOR 10-3040, % WEIGHT GAIN

	<u>3 days</u>	<u>28 days</u>
Deionized water	0.52	1.55
Methanol	7.16	9.38
Ethanol	2.41	6.92
Toluene	0.05	2.26
Xylene	0.02	0.20
Butyl Cellosolve	0.56	2.41
Methyl Ethyl Ketone (MEK)	17.17	Destroyed after 28 days
10% Lactic Acid	0.76	2.99
10% Acetic Acid	1.70	5.64
70% Sulfuric Acid	0.01	0.36
50% Sodium Hydroxide	0.05	0.09
10% Sodium Hypochlorite	0.49	1.16
1, 1, 1 Trichloroethane	0.02	0.64

Samples cured for 7 days @ 25°C before testing.

### IMPORTANT:

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