



Customized Adhesive Solutions

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NGAC P907-01

Technical Bulletin

High Temperature Fiber Optic Epoxy Adhesive

Description:

NGAC P907-01 is a rapid curing, low viscosity, heat cured epoxy adhesive system that is specifically formulated for use in the fiber optic industry.

Advantages and Applications:

Uses include bonding fiber optic bundles, potting glass fiber bundles and termination of single mode and multimode fiber optic connectors. NGAC P907-01 is a low viscosity mixture that ensures exceptional wicking and wetting of the fibers, along with superior adhesion strength.

Cure Schedule:

Temperature	100°C	OR	120°C	OR	150°C
Time	5 minutes		2 minutes		1 minute

****For maximum physical properties a post-cure for 15 minutes at 120°C is recommended***

Properties:

			Typical Value
Color	Resin	Hardener	Mixed, After Cure
	Amber	Amber	Amber/Brown
Specific Gravity			1.20
Viscosity			2,500 cps
Refractive Index			1.56
Spectral Transmittance (6000-9000 Å)			93
Water Absorption, %			0.006
Mix Ratio by Weight (R/H)			100/10
Hardness Shore D			>85
Continuous Operating Temperature:			-60 to +250°C
Glass Transition (Tg), Ultimate			120°C
Volume Resistivity @23°C			> 1.5 x10 ¹⁰ ohm-cm
Dielectric Strength, volts/mil			400
CTE, ppm/°C			
	Alpha1, Below 120°C		5.88 x10 ¹
	Alpha2, Above 120°C		2.05 x10 ²
Lap Shear, Alum/Alum,psi			2900
Percent Solids			100%
Working Life			4h
NASA Outgassing			PASSES

Storage:

NGAC P907-01 packaged in XPAKs should be stored at 12-25°C, if crystallization of the resin occurs, place XPAK with pin in place in a 65°C oven for 15 minutes, allow to cool and proceed per normal procedures. NGAC P907-01 packaged in PM&F syringes should be stored at -40°C.

For additional information or assistance, please call **978-436-960**

GR-326 CERTIFIED

All values reported above are typical values and are for reference use only. These values are not intended for use in developing specifications. Application testing under specific conditions should be performed to determine actual results and fitness for use.