



Customized Adhesive Solutions

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NGAC TC907-22

Technical Bulletin

Thermally Conductive and Electrically Insulating Adhesive

Description:

NGAC TC907-22 is a thermally conductive and electrically insulating adhesive which can be cured at room temperature. It was designed for assembling heat sensitive components onto printed circuit boards. It is recommended for any application requiring strong adhesive bonds and excellent thermal transfer.

Advantages and Applications:

NGAC TC907-22 provides strong and high impact bonds which improve heat transfer while maintaining electrical insulation. It bonds to a wide range of substrates including metals, glass and plastics. The NGAC TC907-22 has a low coefficient of thermal expansion and will provide excellent resistance to mismatched substrates and very low shrinkage. Additionally, the NGAC TC907-22 is easy to apply and is highly resistant to chemicals.

NGAC TC907-22 features the following characteristics that enable ease of use.

Properties:

Color (Mixed)	Black
Mixed Viscosity	11,000 cps
Specific Gravity	1.31
Mix Ratio by Weight (R/H)	100/5.2
Hardness Shore D	90
Operating Temperature:	-70 to +140°C
Lap Shear, alum to alum	1900 psi
Thermal Conductivity, W/M/°K	57 E-02
Percent Solids	100%
Pot Life	20 Minutes
NASA OUTGASSING	PASSES

Cure Schedule:

Temperature	25°C	65°C	95C
Time	72 hours	2 hour	1 hour

For additional information or assistance, please call
978-436-9600

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.