



TECHNICAL DATA SHEET



Noelle Industries, Inc.
Adhesives • Coatings • Conductives • Encapsulants

NOELLE 907-29

Thermally Conductive and Electrically Insulating Adhesive

Description:

907-29 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:

907-29 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. 907-29 has a low coefficient of thermal expansion and will provide excellent resistance to mismatched substrates and very low shrinkage. Additionally, the 907-29 is highly resistant to chemicals.

907-29 features the following characteristics that enable ease of use.

Properties:

	<u>Typical Value</u>
Color (Mixed)	Black
Mixed Viscosity, cps	38,000
Specific Gravity	2.30
Mix Ratio by Weight (R/H)	100 / 9.5
Hardness Shore D	90
Operating Temperature:	-70 to +125°C
Thermal Conductivity, W/M/°K	0.96
CTE, in/in/°C	25 E-06
Lap Shear, Alum to Alum, psi	3000
Pot Life, minutes	40

Cure Schedule:

Temperature	25°C	65°C
Time	24 hours	2-4 hours

All values reported above are typical values, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions.

• 76 Treble Cove Road, Building # 3, Unit C, North Billerica, MA 01862

• Phone: (978) 439-9841 • Fax: (978) 439-9842 • Website: www.noelleindustries.com • email: info@noelleindustries.com