



# EP5087 THERMALLY CONDUCTIVE EPOXY ADHESIVE

#### • PRODUCT DESCRIPTION

EP5087 is a two-component fast curing thermally conductive adhesive, sealant and potting compound. It is designed to deploy heat in electronic applications, with a measured thermal conductivity of 1.5 W/mK. Suitable for metal, plastics, ceramics and ferrite bonding applications.

### • CURING PROPERTIES

Work Life @ 25°C	Gel Time @ 25°C	Full Cure
10 min	60 min	@ 25°C 24 hours
		@ 65° C 60 min

#### • PHYSICAL PROPERTIES

Color	Gray	
Viegosity (mixed)	Part A	Part B
viscosity (mixed)	Paste	35000 Cps
Specific Gravity	2,35	
Mix ratio (by weight or volume)	1:1	

#### • INSTRUCTIONS FOR USE

Temperature Resistance (°C)	-40 to +150
Hardness Shore D	75
Lap Shear Strength (Psi)	1600
Thermal Conductivity (W/mK)	1,5
Elongation at Break	25%
Tg (°C)	56
Volume Resistivity   • 100 V (Ω-cm)   • 500 V (Ω-cm)	8.0 x 10 <sup>14</sup> 6.3 x 10 <sup>14</sup>
Dielectric Constant • 120 Hz • 1000 Hz	4.3 4.3
Dissipation Factor • 120 Hz • 1000 Hz	0.002 0.002

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the tended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. Adhetron is a brand of Pulsar Chem. Industry and Trade Co. INC.



www.adhetron.com







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#### • INSTRUCTIONS FOR USE

The surfaces should be free of dust, oil and other dirt in order to optain an optimal efficient bond.

Shelf life: Store in original, unopened containers for 12 months at room temperature The resin of part B might cristalize during storage. This process is reversible by heating (1 hour @ 60°C).

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