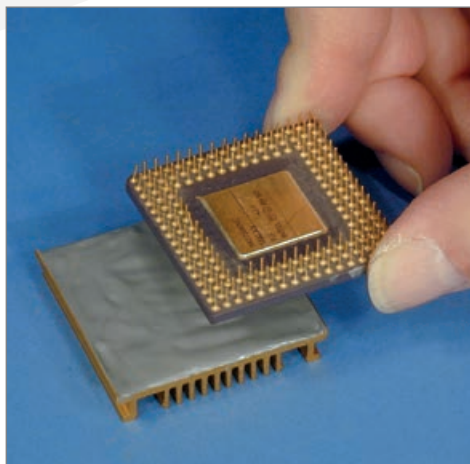


Thermally Conductive Product and Properties Guide Electrical and Industrial Applications



Duralco 13X Series

Thermally Conductive Adhesives

Duralco® Thermally Conductive adhesives and potting compounds provide the heat dissipation required for many high temperature electronic and industrial applications. These ultra temperature adhesives combine a unique polymer system and specially thermally conductive fillers to provide continuous service up to 340°C. They have excellent adhesion to glass, ceramics, metals and plastics. Resistant to most chemicals and solvents.

Duralco 128 - 260°C Ceramic based

Is a highly thermally conductive, electrically resistant adhesive potting compound. Just mix the resin and hardener, apply and cure at room temperature. Curing may be accelerated with mild heat.

Duralco 132IP - 260°C Aluminium based

An Aluminium metal filled epoxy that cures at room temperature to form machinable, thermally conductive bond lines, providing the maximum heat transfer available in a 260°C epoxy system. Can be supplied as a no-sag putty, **Duralco 132P**, for heat tracing applications.

Duralco 133 - 315°C Aluminium based

A two component, heat curing, Aluminium filled, conductive epoxy. Cures with mild heat to form thermally conductive bond lines and heat transfer medium. It is readily machinable and ideal for all kinds of repairs and as a construction material.

Duralco 134 - 260°C Ceramic based Grease

Non-hardening, electrically insulating and thermally conductive grease. Ideal for use between components and heat sinks. Duralco 134 retains its paste like consistency, enabling parts to be easily removed and replaced and will not dry out even after extended periods of time.

Duralco 135 - 260°C Aluminium based Grease

Filled with an ultra fine, aluminium metal powder to provide the maximum possible heat transfer rate in a non-hardening grease. Commonly used in many industrial applications where electrical resistance is not critical.

Performance Chart

Part Number	Volume Resistance	Thermal Conductivity	Colour	Cure Cycle Hours @	Size
	Ω-cm	W/m°C		25°C	oz
128	10 ¹⁶	4.32	Tan	16-24	8
132IP	10 ⁵	5.76	Silver	16-24	16
132P	10 ⁵	5.76	Silver	16-24	8
133	10 ⁵	5.76	Silver	4@120°C	16
134	10 ¹⁶	5.04	Tan	N/A	8
135	N/A	5.76	Grey	N/A	4*

* Also available 8 oz

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