



Technical Data Sheet

POLYMARK C328

THERMALLY CONDUCTIVE SILICONE-FREE GREASE

Product Description:

Polymark C328 is a single component, thermally conductive material. It is designed for high temperature use, is silicone-free and non-reactive. Polymark C328 provides very good thermal conductivity while imparting low stress on sensitive electronic components.

Polymark C328 has a paste-like consistency and is resistant to migration during thermal cycling. It will not age-harden and is inert to oxygen, ozone and most chemical agents.

Product Handling Properties (typical):

<u>CHARACTERISTIC</u>	<u>VALUE</u>
Density (grams/cc)	2.57
Viscosity	Paste
Color	White
Bleed (24 Hr @150°C)	Nil
Evaporation (24 Hr @150°C)	0.5% max
Maximum Service Temp.	200°C
Weight Loss (1 Hr @300°C)	1.7%
Thermal Conductivity (W/mK)	1.0
Dielectric Constant (100 KHz)	2.8
Shelf Life (25°C)	1 year

Beneficial Features:

- Vibration Dampening
- Thermally conductive
- Non-pumping during thermal cycling
- Easily Application
- Low toxicity
- Non-Silicone
- Highly Inert
- Superior Temperature Resistance

Typical Applications:

- Microprocessors
- Multichip Modules
- Power Transistors
- Diodes
- Silicon Controlled Rectifiers
- Silicone-Free Environments
- Very High Temperature Environments

Handling Safeguards

Closely follow instructions on the labels of Polymark materials containing information on the hazards associated with each particular product. Many polymeric systems can be skin and eye irritants. Other problems, such as skin sensitization and more serious health hazards may exist. Consult the Material Safety Data Sheet for further information.

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Important Notice to Users: Typical properties are shown in this technical bulletin and should not be used or taken as specifications. Contact Polymark prior to establishing specifications. The information given for product description, handling properties and cured physical properties are offered solely to assist the purchaser's own testing. Polymark, its sales agents and distributors make NO WARRANTY OF MERCHANTABILITY OF THE PRODUCT OR THE FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. This product and all information supplied in connection with it is used at the purchaser's own risk, conditions of use being beyond Polymark's knowledge or control. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.