

CN-8880 Thermal Grease

Introduction

The CN-8880 is a thermally conductive grease which contains thermally conductive metal oxide and non-reactive silicone as main components. It has the main features of high thermal conductivity, low oil-bleeding level and high heat stability. CN-8880 is designed to improve the heat transfer efficiency between the heat sinks/dissipation plates with the heat source such as electronic parts.

Main Applications

The CN-8880 thermal grease can be used as gap fill material between heat sinks and heat sources such as transistor, diode, rectifier base, etc and other multiple heat dissipation devices.

Limitations

These products are neither tested nor represented as suitable for medical or pharmaceutical uses. This sample is also not for the applications in strong acid and base environment.

Storage

The CN-8880 thermal grease sample should be stored at room temperature ($< 40^{\circ}\text{C}$). Frozen storage condition is not recommended. It is noted that the slight oil bleeding during the storage is a normal and natural phenomenon. Please keep the container tightly sealed if not in use to keep out the contaminants.

Package

1 kg/can, 4 kg/cartridge

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PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT WWW.DOWCORNING.COM, OR FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY CALLING YOUR GLOBAL DOW CORNING CONNECTION.

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CN-8880 Thermal Grease Typical Properties

Appearance	Color	white
ASTM D 1475 CTM 0097	Specific Gravity, 25°C	2.2
CTM 0069 ¹ (Hot Disk)	TC, W/m·K	1.0
CTM 0033A	Oil bleeding 150°C, 24hr, %	0.03%
CTM 0033A	Evaporation 150°C, 24hr, %	0.2%
ASTM D 149 CTM 0114	Dielectric strength, KV/mm	6
ASTM D 1169 CTM 0272	Volume Resistivity, Ω·cm	5×10 ¹⁵

1: CTM (Corporate Test Method) in many cases matches with ASTM. The copy of CTM is available to be requested.

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