

BB-1000散熱膏 · HEAT SINK COMPOUND



主成份：SILICONE (矽)
 導熱率：2*10⁻³ cal/cm sec.°C
 耐溫性：200°C
 容 量：10g、150g、1kg、2kg、30kg
 主用途：各種電器、電子之晶體散熱及增長晶體之壽命

INTRODUCTION

BONBOND BB-1000 is a highly thermally conductive silicone grease. This together with a low moisture and metallic impurity content make it suitable for a wide variety of applications within the electrical components industry.

APPLICATIONS

Used within a semi-conductor device case it affords excellent shock protection for the transistor or diode elements and provides protection against inadvertent contamination of these elements before the devices are finally encapsulated. The Compound also acts as an excellent moisture buffer. BB-1000 also finds use as a contact material when mounting semi-conductor devices on heat-sinks, obviating air gaps between imperfectly mating surfaces. In this application, it may be used in conjunction with electrically insulating mica washers without increasing the electrical leakage in any way. Indeed, in many cases insulation may be improved.

PHYSICAL PROPERTIES

Typical physical properties are as follows:

Colour	white
Appearance	opaque, creamy paste
Speific Gravity	2.3
Bleed-7 days at room temperature	0.4%
24 hours at 150°C	0.5%
Evaporation-7 days at room temperature	0.02%
24 hours at 200°C	0.2%
lectric Strength, (KV/0.25mm)	3.5
Volume Resistivity, at room temperature	1.5 x 10 ¹⁴ ohm.cm
Thermal Conductivity	2 x 10 ⁻³ cal/cm.sec. °C
Heat Resistance(°C)	200°C

SOLUBILITY

Readily dispersible in aromatic and chlorinated hydrocarbons; insoluble in polar or aqueous solvents.

STORAGE AND HANDLING

To maintain its full dielectric properties BB-1000 should be stored in tightly closed containers and care should be exercised in handling to avoid contamination of the compound. If this should occur the eyes may be washed with plain water.

PACKING

1 KG Tins 2 KG Pails 30 KG Pails The information given to users is based on our general experience and on results of tests with samples of typical manufacture. However, because of the many factors which our outside our knowledge and control, we cannot accept liability for loss or damage resulting from reliance upon such information.