



E-Grease 850 is a thermally conductive grease with low oil bleeding. The unique properties of E-Grease 850 will not dry under normal operating conditions and is suitable for applications involving auto-dispensing equipments or by screen-printing.

The proprietary metal oxide fill silicone oil formula of E-Grease 850 makes for its good thermal conducting performance. Together with its superior wetting properties, E-Grease 850 provides good solution for application where rigorous heat transfer from heat source to spreader is required.

E-Grease 850 is RoHS compliant and halogen-free, offering extra reassurance in applications where hazardous substances are forbidden.

Features and Benefits

- 3.0W/m-K thermal conductivity
- Good thermal conductivity
- Never dries
- RoHS compliant
- Halogen-free
- Suitable for auto-dispensing and screen printing applications

Typical Applications

- Heat source to spreader/sink in computer and peripherals
- Power conversion equipments
- Cooling components to the chassis, frame or other types of heat spreader
- Wireless communication hardware
- Automotive control units
- Power supply
- Audio and video component
- Micro processor

Optional Configurations

- Syringes or special cartridges can be arranged upon request



Typical Properties

Properties	E-Grease 850	Test Method
Construction & Composition	Silicone-based grease	—
Color	White	Visual
Density (g.cm ⁻³)	2.3	ASTM D792
Temperature Range (°C)	-40~160°C	—
Volume Resistivity /ohm.cm	2.0X10 ¹⁴	ASTM D257
Thermal Conductivity (W.m ⁻¹ .K ⁻¹)	3.0	ASTM D5470 (modified)
Thermal Impedance @ 80psi (°C.in ² /W)	0.075	ASTM D5470 (modified)
Oil Bleeding (150°C/ 24h) (wt.%)	<0.2%	JIS K 2220
Shelf Life (months)	24	—

Please contact us for other special requirements

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E-Grease 850 是一种低渗油导热油脂。独特的 E-Grease 850 适用于自动点胶或丝网印刷中。

独有的金属氧化物填充的配方令 E-Grease 850 具有良好的热传导性能。加上其优越的润湿性能，E-Grease 850 能解决热源与散热器之间严峻的热传导要求。

E-Grease 850 不单指符合 RoHS 规格更达到无卤素要求，令客户在使用时对于有害物质的控制更有信心。

产品特点

- 导热率 3.0W/m-K
- 优良导热性能
- 永不干涸
- 符合 RoHS 规格
- 不含卤素
- 适用于自动配料及丝网印刷等生产工艺

一般应用

- 计算机或其外围设备内热源和散热器之间
- 功率转换设备
- 底盘，框架或其他散热组件
- 无线通信硬件
- 汽车电机控制器
- 供电设备
- 音频视频组件
- 微处理器

其他配置

- 如有需要，可安排针筒及特别注射器等包装



一般特性	E-Grease 850	测试方法
结构及主要成分	硅树脂油膏	—
颜色	白色	目测
密度 (g.cm ⁻³)	2.3	ASTM D792
温度范围 (°C)	-40~160°C	—
体积电阻率 /ohm.cm	2.0X10 ¹⁴	ASTM D257
导热率 W.m ⁻¹ .K ⁻¹	3.0	ASTM D5470 (modified)
热阻抗 @ 80psi (°C.in ² /W)	0.075	ASTM D5470 (modified)
出油率 (150°C/ 24h) (wt.%)	<0.2%	JIS K 2220
有效 (months)	24	—
如对产品有特殊要求，请联络我们		

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