



ZH20 导热硅胶 ZH20 Thermal Silicon Pad

技术数据表 Technical Data Sheet



ZH20 is a ceramic particles filled silicone rubber, which is good balance for thermal performance with competitive price and providing 2.0W thermal conductivity. It is used between heat sink and heat generating components. Its ultra soft proper enable filling air voids and rugged surface, and wetting out matting surfaces in order to efficiently transfer heat from components to heat sink.

Typical Applications:

- Information products
- NB
- Power module
- LED
- Car electronic

| 物理參數 | |
|------------------------|--------------------|
| 顏色 | 浅蓝 |
| 厚度(mm) | 0.3-10 |
| 密度(g/cm ³) | 2.8 |
| 硬度(Shore C) | 25-55 |
| 有效工作溫度 (°C) | -40-180 |
| 延伸率 (%) | 30 |
| 抗撕裂強度(KN/M) | ≥0.6 |
| 重量損失(%) | <0.5 |
| 電氣性能 | |
| 抗擊穿電壓(Kv/mm) | ≥5 |
| 體積電阻(Ω。Cm) | 6X10 ¹³ |
| 防火等級(UL-94) | V-0 |

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導熱性能

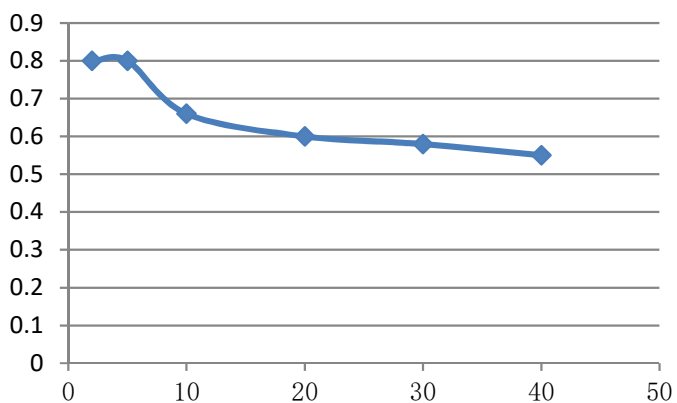
導熱係數W/m.k

2.0

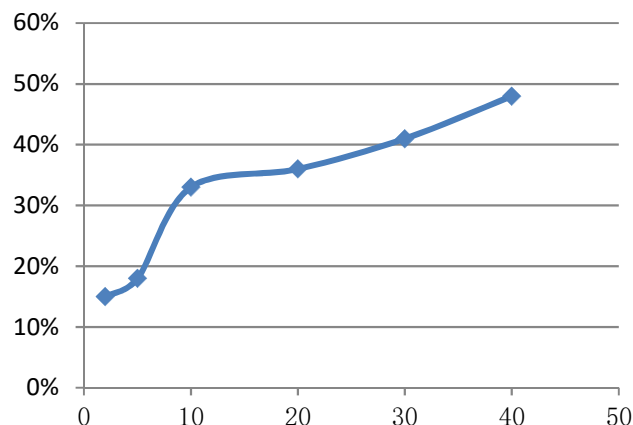
熱阻特性與壓力關係

| 壓力 (PSI) | | 2 | 5 | 10 | 20 | 30 | 40 |
|----------|--|-----|-----|------|-----|------|------|
| ZH20 | 熱阻 ($^{\circ}\text{Cin}^2/\text{W}$) | 0.8 | 0.8 | 0.66 | 0.6 | 0.58 | 0.55 |
| | 壓縮比例 (%) | 15% | 18% | 33% | 36% | 41% | 48% |

ZH20壓力與熱阻關係圖



ZH20壓力與壓縮比例關係圖



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