

PCM 16125C KERATHERM®

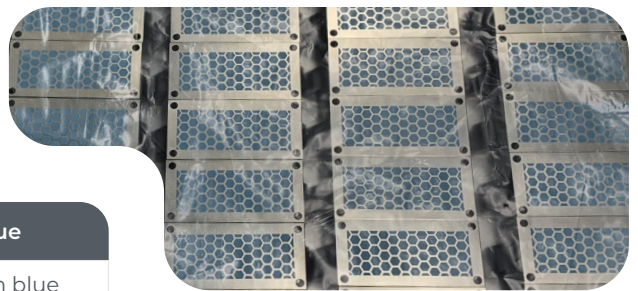
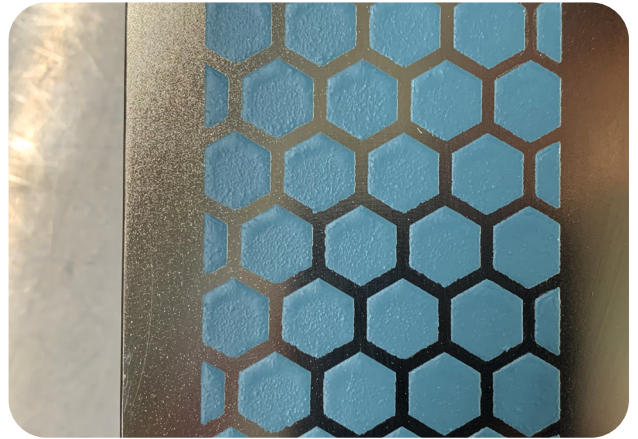
NEW
DATA SHEET

Application

- Thyristors
- Desktop CPU´s
- IGBT units

Benefits

- Filling of smallest irregularities between the power module and heat sink
- Improves the contact between the surfaces and increases the heat transfer
- Good applicability in the form of screen and stencil printing
- Possibility to buy pre assembled parts
- Very low bond line thickness



| Properties | Unit | Value |
|---|---------------|---|
| Colour | | Titanium blue |
| Viscosity Brookfield K/P* (Temperature dependent; dried area) | Pas | 400/creamy (@40°C) 200 (@50°C) 120 (@60°C) 80 (@80°C) 50 (@100°C) |
| Thermal conductivity λ | W/mK | >3.5 |
| Dielectric breakdown E_d | KV/mm | >1 |
| Operating temperature | °C | -40 to +120 |
| Softening interval | °C | 52 - 54 |
| Possible layer thickness | μm | 50 - 250 |
| Post-curing time (40°C @ 250 μm)** | h | 18 - 24 |

* Sheare rate λ 4.6s⁻¹

** This time is valid for natural convection.If there is some kind of ventilation, the time curing time is lower

Note

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