Item # AL-52 /, Tpcm™ AL-52 Phase Change Material



Tpcm™ AL-52 Phase Change Material

Stock Locator

Tpcm™ Al-52 is a thermally conductive phase change material coated on both side of aluminum foil. At temperature greater than 52°C, Tpcm™ Al-52 changes into a molten state and, Under low closure force, wets the heat sink and component surface to create a very thin thermal resistance interface.

Tpcm ™ Al-52 has great heat spreading characteristics and won't flow from the interface. Tpcm ™ Al-52 has superior thermal performance comparable to the highest performing grease and phase change products available. Tpcm™ Al-52 is easy to handle and is a great replacement for messy grease.

Tpcm™ Al-52 is available as individual die cut parts, kiss cut parts on rolls or sheet and uncut rolls. Tpcm™ Al-52 is available with or without adhesive.

SPECIFICATIONS

| Color | Gray |
|-------------------------------------|-----------------------------|
| Thickness | 0.076 mm 0.003 in |
| Standard Coating Thickness per side | 0.0005 in 0.013 mm |
| Density | 2.1 g/cc |
| Shelf Life | Indefinite |
| UL Flammability Rating | 94 V0 |
| Max. Use Temperature | 200 °C |
| Phase Change Softening Temperature | 52 °C |
| Thermal Impedance at 5 psi | 0.03 °C-in ² /W |
| Thermal Impedance at 34.5Kpa | 0.193 °C-cm ² /W |