

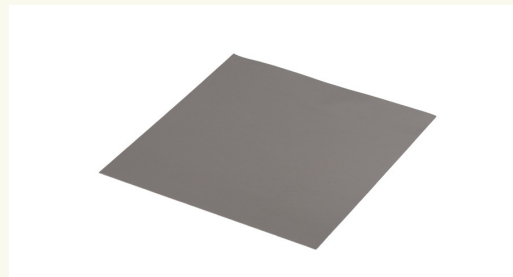


## GCSR-108-PCM PHASE CHANGE MATERIAL

**GCSR-108-PCM** is a high performance phase change material

### Features

- Nominal 50°C phase change material
- Low thermal resistance
- Easy to apply (solid sheet)
- Electrically insulative
- Diecut shapes offered



### Configurations

| PART NUMBER               | TOTAL THICKNESS (MM) |
|---------------------------|----------------------|
| GCSR-108-PCM-150x150-0.13 | 0.13                 |
| GCSR-108-PCM-200x200-0.13 | 0.13                 |
| GCSR-108-PCM-150x150-0.15 | 0.15                 |
| GCSR-108-PCM-200x200-0.15 | 0.15                 |
| GCSR-108-PCM-150x150-0.20 | 0.20                 |
| GCSR-108-PCM-200x200-0.20 | 0.20                 |

### Properties

| CHARACTERISTIC                                | TEST METHOD | VALUE              |
|-----------------------------------------------|-------------|--------------------|
| Colour                                        | Visual      | Grey               |
| Carrier                                       | -           | None               |
| Thickness (mm)                                | ASTM D374   | 0.13 - 0.20        |
| Phase Change Temperature (°C)                 | ASTM D3418  | 45 ~ 55            |
| Density (g/cm <sup>3</sup> )                  | ASTM D792   | 2.8                |
| Thermal Impedance@40psi (°in <sup>2</sup> /w) | ASTM D5470  | 0.046              |
| Flame Rating                                  | -           | V-0                |
| Dielectric Constant (MHz)                     | ASTM D150   | 3.1                |
| Volume Resistivity (Ω.cm)                     | ASTM D257   | 2x10 <sup>13</sup> |
| Use Temperature (°C)                          | -           | -20 ~ +125         |
| Thermal Conductivity (W/m·K)                  | ASTM D5470  | 8.0                |



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