



## GCSR-150 FIBREGLASS-REINFORCED THERMAL PAD

### GCSR-150 is a fibreglass-reinforced thermal pad

GCSR-150 is an ultra-high-performance thermal pad that insulates and transfers heat from components to heat sinks, improving efficiency and lifespan. Its soft, elastic nature covers uneven surfaces, while its natural tack ensures excellent surface compliance, reducing thermal impedance for optimal heat dissipation.



### Features

- 15 W/m K thermal conductivity
- Non-metallic gap pad with an extremely high ceramic filling volume
- High thermal performance, electrical insulation, and high voltage resistance
- Naturally tacky for easy assembly
- ROHS & UL compliant, environmentally friendly

### Applications

- Automotive engine control modules
- CPUs, memory modules, and microprocessors
- Communication and military electronic equipment
- High-speed hard disk drives
- Graphics processors and memory chips

### Properties

| CHARACTERISTIC                        | TEST METHOD | VALUES             |
|---------------------------------------|-------------|--------------------|
| Colour                                | Visual      | Grey               |
| Thickness (mm)                        | ASTM D374   | 0.5~1.0            |
| Hardness (Shore 00)                   | ASTM D2240  | 60~80              |
| Specific Gravity (g/cm <sup>3</sup> ) | ASTM D792   | 3.75               |
| Tensile Strength (Mpa)                | ASTM D412   | 0.14               |
| Elongation (%)                        | ASTM D412   | 24                 |
| Tear Strength (KN/m)                  | ASTM D624   | 0.41               |
| Breakdown Voltage (Kv/mm)             | ASTM D149   | >5                 |
| Volume Resistivity (·cm)              | ASTM D257   | 3x10 <sup>11</sup> |
| Use Temperature (°C)                  | EN344       | -50~220            |
| Flame Rating                          | UL 94       | V-0                |
| Weight Loss (%)                       | @150°C 240H | ~0.5               |
| Dielectric Constant (@1MHz)           | ASTM D150   | 10.0               |
| Thermal Conductivity (W/m-k)          | ASTM D5470  | 15.0               |



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