



GCSR-055F FIBREGLASS-REINFORCED THERMAL PAD

GCSR-055F is a fibreglass-reinforced thermal pad

GCSR-055F is a fiberglass-reinforced thermally conductive insulating material. Fiberglass substrates make the one face of material less tack which contribute to easier installation. Anti-tensile, anti-shear and anti-tear performance are also enhanced. It is a soft and flexible gap filling material with good thermal insulation performance.



Features

- 5.5 W/m K thermal conductivity
- Fibreglass-reinforced, resistance to puncture
- Soft and high compliance
- Heat conduction and electrical insulation
- One side has strong tack, the other allows easy installation (adhesive layer on one side)

Applications

- LED lamps
- Consumer electronics
- Car equipment
- Communication devices
- Network terminal equipment

Properties

| CHARACTERISTIC | TEST METHOD | VALUES |
|---------------------------------------|-------------|--------------------|
| Colour | Visual | Grey |
| Thickness (mm) | ASTM D374 | 0.5~5.0 |
| Hardness (Shore 00) | ASTM D2240 | 40~80 |
| Specific Gravity (g/cm ³) | ASTM D792 | 3.4 |
| Tensile Strength (Mpa) | ASTM D412 | 0.6 |
| Elongation (%) | ASTM D412 | ≤10 |
| Tear Strength (KN/m) | ASTM D624 | 1.8 |
| Breakdown Voltage (Kv/mm) | ASTM D149 | >10 |
| Volume Resistivity (Ω·cm) | ASTM D257 | 5×10 ¹¹ |
| Use Temperature (°C) | EN344 | -40~200 |
| Flame Rating | UL 94 | V0 |
| Weight Loss (%) | @150°C 240H | ≤0.5 |
| Dielectric Constant (@1MHz) | ASTM D150 | 6.6 |
| Thermal Conductivity (W/m-k) | ASTM D5470 | 5.5 |



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