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GCSR-034F
FIBREGLASS-REINFORCED THERMAL PAD

GCSR-034F is a fibreglass-reinforced thermal pad

GCSR-034F 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

- 3.4 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	0.3~10.0
Hardness (Shore 00)	ASTM D2240	40~80
Specific Gravity (g/cm^3)	ASTM D792	3.24
Tensile Strength (Mpa)	ASTM D412	0.6
Elongation (%)	ASTM D412	-
Tear Strength (KN/m)	ASTM D624	1.8
Breakdown Voltage (Kv/mm)	ASTM D149	>10
Volume Resistivity (Ω·cm)	ASTM D257	9x10^{11}
Use Temperature (°C)	EN344	-40~200
Flame Rating	UL 94	V-0
Weight Loss (%)	@150°C 240H	≤0.5
Dielectric Constant (@1MHz)	ASTM D150	7.1
Thermal Conductivity (W/m-k)	ASTM D5470	3.4

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