
GCS-040-NS

Non-silicone gel

GCS-040-NS is a high performance thermal interface non-silicone gel pad.

Features

- Low contact resistance
 - NO Low MW siloxane
 - Super soft
 - High compressibility
 - Very good thermal conductivity
 - Compliancy, high compressibility
 - Natural tack
 - Low oil bleed- long term stability
 - Electrical insulation
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Configurations

Part number	Total thickness
GCS-040-NS-150150-0.5	0.5mm
GCS-040-NS-150150-1.0	1mm
GCS-040-NS-150150-2.0	2mm

Applications

Displays, lighting protection

PDP TV, LCD CCFL and LCD LED display backlight, LED signage, projectors and new display technology.

Consumer and industrial electronics

Mobile telephone, communication base station, laptop, notebook, computer servers, handheld gaming devices, memory modules, CPU modules, amplifiers, batteries, and DC to DC covertors power supplies.

Automotive electronics

Engine management, electronic suspension, braking systems, communication and multimedia systems, comfort convenience features, vehicle lighting, vehicle controls, hybrid vehicle battery thermal management, electric vehicle thermal management.



Global Component Sourcing

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GCS-040-NS

Silicone gel

Characteristics

Characteristic	Value
Colour	Blue
Thickness mm	0.5 - 2.0
Density g/cm ³	3.0
Hardness (Shore 00)	30
Application temperature °C	-40 - 125
Tensile strength MPa	30
Elongation %	2
Total mass loss %	<0.4
Compression at T1.0mm	
Deflection@10 psi %	15
Deflection @20 psi %	21
Deflection @30 psi %	33
Deflection @40 psi %	42
Deflection @50 psi %	40
Electrical	
Dielectric breakdown kV/mm	15
Volume resistivity Ohm-m	>10 ¹¹
Thermal	
Thermal conductivity W/m*K	4
Thermal impedance @10 psi °C-In2/W	0.38
Thermal impedance @30 psi °C-In2/W	0.25
Thermal impedance @50 psi °C-In2/W	0.20

Building the part number

Example: GCS - 040 - NS 150150 - 0.5 - XX
 1 2 3 4 5 6

1. GCS series
2. Thermal conductivity
3. Silicone or non-silicone
4. Dimensions (mm)
5. Thickness (mm)
6. Custom



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