## multicomp PRO

RoHS

Compliant



## Applications

- Laser Equipment
- Routers and Wireless Infrastructures
- Automotive, EV Battery Packs
- LED Lighting
- Telecommunication Equipment
- 5G Module Unit
- Surveillance Camera / System, PV Transmitter Module

## Features

- 5 W/m K thermal conductivity
- · Ultra-comforming, designed for fragile and low-stress applications
- · No silicone outgassing or extraction

Characteristic	Test Method	Value
Colour	Visual	A: White / B: Grey / Post-cure: Lt Grey
Mixing Ratio	Mass Ratio	1:1
Flow Rate @90psi (g/min)	φ2.41mm EFD syringe	20
Density (g/cm²)	ASTM D792	3.4
Minimal BLT (um)	-	150
Tack-free Time (min) (@25°C)	-	180
Fully-cured Time (H) (@25°C)	-	8
Accelerated Curing (min) (@100°C)	-	10
Dielectric Strength (kV/mm)	ASTM D149	>8.0
Breakdown Voltage (kV/mm)	ASTM D149	>10.0
Hardness (Shore 00)	ASTM D5470	55(±5)
Volume Resistivity (Ω.cm)	ASTM D257	1 × 10 <sup>13</sup>
TGA Weight Loss (wt%)	150° Cx24hrs	<0.5
Transient Operating Temperature (°C)	-	-55 to +150
Continuous Operating Temperature (°C)	-	-40 to +125
Flammability	UL94	VO
Thermal Conductivity (W/m.K)	ASTM D5470	5
Thermal Impedance @20psi /0.3mm (°C-in2/W)	ASTM D5470	0.182
Shelf Life	-	24 months from shipment date

## **Part Number Table**

Description	Part Number
Non Silicone Thermal Gel, 2 Parts, 2x25, 5W/mK, 50ml	MPGCSG-050NSG-AB(25ml+25ml)

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