

Customer: Conrad	Rev.: Rev-01
Model: GP-Extreme	Page: 1 of 3
Model No.: TP-GP01-B	Issue date: 23.12.2016

## **Specification**

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## GC-EX THERMAL COMPOUND SPECIFICATION

### 1. STANDARD SPECIFICATION

Ceramic filled silicone elastomer

ITEM	UNIT	TEST METHOD	TEST RESULT
Color	No	Visual	GREY
Thermal Conductivity	W/m-K	ASTM D5470	12.0
Tensile Strength	kPa	ASTM D412	380
Density	g/cm <sup>3</sup>	ASTM D297	2.8
Hardness	Shore	ASTM 2240	35
Volume Resistivity	Ohm-m	ASTM D257	5.6X10 <sup>12</sup>
Dielectric Constant	MHz	ASTM D150	7.5
Dielectric Breakdown Voltage	VAC	ASTM D149	>1500~5000
Operation Temperature	°C	No	-50-200
Flame Rating	V0	Equivalent UL	94
PH			5 ~ 7
Boiling point	°C		> 700
Thickness	mm	0.5, 1.0, 1.5, 2.0	
Toxic	Non-toxic to organic and environment		
Storage	low temperature, low humidity, avoid direct sunlight, away from flame		
Solvent	Dissolve in Alcohol		
Disposal	Could be recycle		

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## 2. Content

Silicone	30-50.00%
Aluminum oxide	50-70.00%
Carbon Black	0.05%