



GETELEC

We protect your electronics

DATA SHEET - GT 1040

GT 1040 was developed by combining a silver-plated aluminum filled conductive silicone (GT1000) with an environmental sealing silicone (GT40). This mixture aims to meet the constraints of a corrosive environment by dissociating the shielding function from the environmental sealing function.

- **Good EMP resistance**
- **Both electrically and thermally conductive**
- **Excellent stability over time**

Properties - Conductive part	Standards - Test	GT 1000
Elastomer binder		Silicone
Conductiver filler		Silver-plated copper
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.005
Hardness shore A	ASTM D 2240	82 \pm 7
Density g/cm^3	ASTM D 792 Method A	3.40
Break resistance Mpa	ASTM D 412 Method A C	2.20
Elongation at break %	ASTM D 412 Method A C	250
Tear strength kg/cm	ASTM D 624 C	13.70
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 Method B	17.50
Shielding performance :		
20 MHz		130 dB
100 MHz		140 dB
500 MHz		120 dB
2 GHz		120 dB
10 GHz		120 dB
Working temperature °C		-55 to +125
Color		Beige

Properties - Sealing part	Standards- Test	GT 40
Specific mass at 25°C	ASTM D 792	1.10
Hardness Shore A \pm 5	ASTM D 2240	40
Tensile strength Psi Mpa	ASTM D 412	1000 6.80
Elongation %	ASTM D 412	500
Residual deformation after compression 22 hours at 177°C (%)	ASTM D 395 method B	30
Color		Orange

AVAILABLE FORMATS

- Molded
- Customized cut
- Extruded
- Vulcanization bonding

