



GETELEC

We protect your electronics

DATA SHEET - GT 5040

GT 5040 was developed by combining a silver-plated aluminum filled conductive silicone (GT5000) 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.

- Low density
- Excellent high-frequency performance
- Compatible with most alloys
- Very stable at high temperature (peak 200°C)

Properties - Conductive part	Standards - Test	GT 5000
Elastomer binder		Silicone
Conductiver filler		Silver-plated aluminum
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.0054
Hardness shore A	ASTM D 2240	65 \pm 7
Density g/cm^3	ASTM D 792 method A	1.90
Break resistance Mpa	ASTM D 412 method A C	1.89
Elongation at break %	ASTM D 412 method A C	286
Tear strength kg/cm	ASTM D 624 C	8.60
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 method B	17.30
Shielding performance :		
20 MHz		128 dB
100 MHz		137 dB
500 MHz		133 dB
2 GHz		122 dB
10 GHz		104 dB
Working temperature °C		-55 to +160
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

