



GETELEC

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# DATA SHEET - GT 2040

GT 2040 was developed by combining a pure silver filled conductive silicone (GT2000) 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.

- **Highly conductive**
- **Verly low volume resistivity**
- **Excellent attenuation performace**
- **High-temperature resistance (peak 200°C)**

Properties - Conductive part	Standards - Test	GT 2000
Elastomer binder		Silicone
Conductiver filler		Pure silver
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.006
Hardness shore A	ASTM D 2240	75 $\pm$ 7
Density $\text{g}/\text{cm}^3$	ASTM D 792 Method A	3.90
Break resistance Mpa	ASTM D 412 Method A C	4.61
Elongation at break %	ASTM D 412 Method A C	355
Tear strength $\text{kg}/\text{cm}$	ASTM D 624 C	14
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 Method B	33.12
Shielding performance :		
20 MHz		110 dB
100 MHz		110 dB
500 MHz		110 dB
2 GHz		110 dB
10 GHz		110 dB
Working temperature °C		-55 to +160
Color		Light 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

