



GETELEC

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# DATA SHEET - GT 1060

GT 1060 was developed by combining a silver-plated copper filled conductive silicone (GT1000) with an environmental sealing silicone (GT60). 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 $\text{g}/\text{cm}^3$	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 $\text{kg}/\text{cm}$	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 60
Specific mass at 25°C	ASTM D 792	1.27
Hardness Shore A $\pm$ 5	ASTM D 2240	60
Tensile strength Psi Mpa	ASTM D 412	950 6.55
Elongation %	ASTM D 412	300
Residual deformation after compression 22 hours at 177°C (%)	ASTM D 395 Method B	33
Color		Blue

## AVAILABLE FORMATS

- Molded
- Customized cut
- Extruded
- Vulcanization bonding

