



GETELEC

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DATA SHEET - GT 3160

GT 3160 was developed by combining a nickel graphite filled conductive silicone (GT3100) 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 low frequency performance
- Stable electrical properties
- UL94 V0 compliant
- Economical solution



Properties - Conductive part	Standards - Test	GT 3100
Elastomer binder		Silicone
Conductiver filler		Nickel Graphite
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.10
Hardness shore A	ASTM D 2240	65 \pm 7
Density g/cm^3	ASTM D 792 method A	2
Break resistance Mpa	ASTM D 412 method A C	1.37
Elongation at break %	ASTM D 412 method A C	150
Tear strength kg/cm	ASTM D 624 C	8.9
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 method B	40
Shielding performance :		
20 MHz		100 dB
100 MHz		100 dB
500 MHz		100 dB
2 GHz		100 dB
10 GHz		100 dB
Working temperature °C		-55 to +150
Color		Grey

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

