



GETELEC

We protect your electronics

DATA SHEET - BL 10060

BL10060 was developed by combining a carbon-filled conductive silicone (BL10000) 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 mechanical properties
- Very good resistance to salt spray
- UL 157 compliance
- Low density



Properties - Conductive part	Standards - Test	BL 10000
Elastomer binder		Silicone
Conductiver filler		Carbon
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	6
Hardness shore A	ASTM D 2240	70 \pm 7
Density g/cm^3	ASTM D 792 Method A	1.22
Break resistance Mpa	ASTM D 412 Method A C	4.41
Elongation at break %	ASTM D 412 Method A C	150
Tear strength kg/cm	ASTM D 624 C	-
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 Method B	40
Shielding performance :		
20 MHz		60 dB
100 MHz		105 dB
500 MHz		105 dB
2 GHz		105 dB
10 GHz		105 dB
Working temperature °C		-55 to +125
Color		Black

Properties - Sealing part	Normes - 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

