



GETELEC

We protect your electronics

CONDUCTIVE SILICONE + EPDM SI GT 5068

GT 5068 was developed by combining a conductive silicone filled with silver-plated aluminum (GT5000) with a doped EPDM silicone 65 shore. This mixture is intended to meet the constraints of a corrosive environment by separating the shielding function and the sealing function to respond to specific applications.

- Reach and RoHs compliant
- Good resistance to abrasion
- Resistance to hydraulic fluids like phosphoric Ester (Skydrol)
- Low permeability to water vapour and other gases

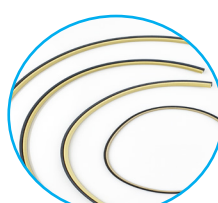
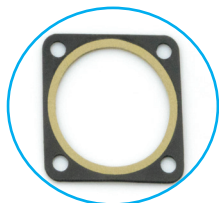


Properties	Standards- Test	GT 5000	Specification MIL G 83528
Type	-	B	-
Elastomer binder	-	Silicone	-
Conductive Filler	-	Silver-plated aluminum	-
Volume resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.0054	0.008 maximum
Hardness shore A	ASTM D 2240	65	65 \pm 7
Density g/cm ³	ASTM D 792 Method A	1.90	2.00
Break resistance Mpa	ASTM D 412 Method A C	1.89	1.38 minimum
Elongation at break %	ASTM D 412 Method A C	286	100-300
Tear strength N/mm	ASTM D 624 C	8.43	5.25 minimum
Residual deformation after 70 hours compression at 100°C %	ASTM D 395 Method B	17.30	32 maximum
Continuous working temperature		-55°C to +160°C	-55°C to +160°C
Color		Grey	-

Properties	Standards - Test	EPDM-Si
Density (g/cm ³)	ASTM D 792	1.45
Hardness shore A	ASTM D 2240	65
Tear strength N/mm	ASTM D 624 C	25.4
Break resistance MPa	ASTM D 412	6.4
Elongation at break %	ASTM D 412	486
Color		Black

AVAILABLE FORMATS

- Molded
- Cut
- Extruded
- Vulcanization-bonding
- Sheet



Conductive silicone
GT 5000



EPDM-Si 65sh