

SILVER PLATED-COPPER FILLED CONDUCTIVE SILICONE - GT 1015

GT 1015 is a silver plated-copper filled conductive silicone elastomer which enables the creation of sealed, conductive gaskets. This is a conductive mixture which is compliant with the MIL G 83528 type A standard.

- **Good EMP resistance**
- **Excellent stability over time**
- **Both electrically and thermally conductive**
- **High-mechanical resistance**

Properties	Standards - Test	GT 1015
Type MIL G 83528		A
Elastomer binder		Silicone
Conductive filler		Silver plated-copper
Volume Resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.004
Hardness shore A	ASTM D 2240	69
Density	ASTM D 792 Method A	3.64
Break resistance Mpa	ASTM D 412 Method A C	1.78
Elongation at break %	ASTM D 412 Method A C	283
Tear resistance N/mm	ASTM D 624 C	13.83
Residual deformation after 70 hours of compression at 100°C	ASTM D 395 Method B	14.30 %
Continuous usage temperature		-55 to +125 °C
Color		Grey
Shielding performance		
20 MHz		113 dB
100 MHz		139 dB
500 MHz		120 dB
2 GHz		128 dB
10 GHz		114 dB

AVAILABLE FORMATS

- Molded
- Cut
- Extruded
- Sheet
- Vulcanization bonding

