

SILVER PLATED COPPER FILLED SILICONE - GT 1000

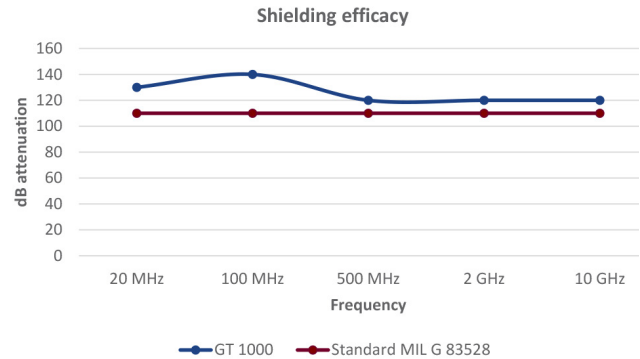
GT 1000 is a conductive silver-plated copper filled silicone elastomer, which enables the creation of sealed conductive gaskets. This is a conductive mixture which is compliant with the MIL G 83528 type K Standard.

- Good EMP resistance
- Low degassing rate
- Both electrically and thermally conductive
- Excellent stability over time



Thanks to a spatial qualification according to the ESA-ECSS-Q-ST-70-02C TML RML (<1%) and CVMC (<0.1%) standard, the GT 1000 is suitable for **aerospace applications**.

Properties	Standards - Test	GT 1000	Specification MIL G 83528
Type MIL G 83528		Type K	
Elastomer binder		Silicone	
Conductive filler		Silver-plated copper	
Volume Resistivity $\Omega \cdot \text{cm}$	MIL G 83528	< 0.005	0.005
Hardness shore A	ASTM D 2240	82	85 \pm 7
Density	ASTM D 792 Method A	3.40	3.50 \pm 13%
Break resistance Mpa	ASTM D 412 Method A C	2.80	2.76 minimum
Elongation at break %	ASTM D 412 Method A C	250	100-300
Tear resistance N/mm	ASTM D 624 C	13.44	7.0 minimum
Residual deformation after 70 hours of compression at 100°C	ASTM D 395 Method B	17.50 %	35 maximum
Continuous usage temperature		-55°C to +125°C	-55°C to +125°C
Color		Grey / Beige	



AVAILABLE FORMATS

- Molded
- Cut
- Extruded
- Vulcanization bonding
- Sheet

