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# GT 1000

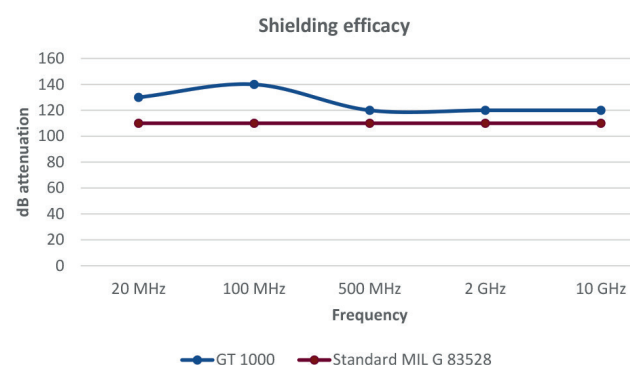
## SILVER-PLATED COPPER FILLED SILICONE

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



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

Properties	Standards - Tests	GT 1000	Specification MIL G 83528
Type MIL G 83528		<b>Type K</b>	
Elastomer		<b>Silicone</b>	
Conductive filler		<b>Silver-plated copper</b>	
Volume resistivity ( $\Omega \cdot \text{cm}$ )	MIL G 83528	<b>&lt; 0.005</b>	0.005
Hardness (shore A)	ASTM D 2240	<b>82</b>	85 $\pm$ 7
Density ( $\text{g}/\text{cm}^3$ )	ASTM D 792 Method A	<b>3.40</b>	3.50 $\pm$ 13%
Break resistance (Mpa)	ASTM D 412 Method A C	<b>2.80</b>	2.76 Minimum
Elongation at break (%)	ASTM D 412 Method A C	<b>250</b>	100-300
Tear resistance (N/mm)	ASTM D 624 C	<b>13.44</b>	7.0 Minimum
Residual deformation after compression 70 hours at 100°C (%)	ASTM D 395 Method B	<b>17.50</b>	35 Maximum
Continuous operating temperature		<b>-55°C to +125°C</b>	-55°C° to +125°C
Color		<b>Grey / Beige</b>	



#### AVAILABLE FORMATS

- Molded
- Customized cutting
- Extruded
- Adhered by vulcanization
- Sheet
- Adhesive

