

# EXPANDED CONDUCTIVE SILICONE

## GT 5000EX SP

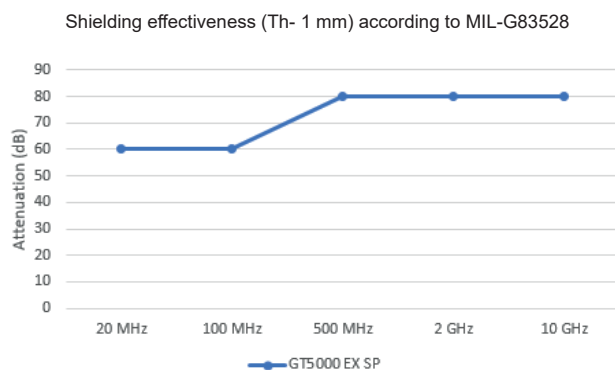
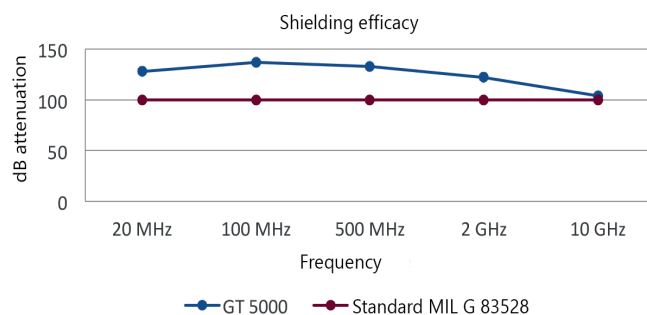
GT 5000EX SP is an expanded conductive silicone elastomer filled with silver-plated aluminum to provide low-density seals and conductors. Working temperature : -55°C to +160°C.

- Very low density
- Very stable temperature
- Compatible with most alloys
- ESA Compliance
- No presence of oil



Thanks to a spatial qualification according to the ESA-ECSS-Q-ST-70-02C TML RML (<1%) and CVMC (<0.1%) standard, the GT 5000EX SP is suitable for **aerospace applications**.

Properties	Standards - Tests	GT 5000EX SP
Elastomer		Silicone
Conductive Filler		Silver plated aluminum
Working temperature (with adhesive)		-55°C to +160°C
Hardness Shore A		45 ± 5
Density (gm/cc)		1.0 ± 0.13
Vibration resistance	MIL G 83528	Compliant
Volume resistivity		Max 0.5 Ohm.cm
Shielding efficacy	MIL G 83528	Compliant
TML	ECSS-Q-ST-70-02C	0.18 %
RML	ECSS-Q-ST-70-02C	0.15 %
CVMC	ECSS-Q-ST-70-02C	0.08 %
Outgassing with adhesive	ECSS-Q-ST-70-02C	Compliant



### AVAILABLE FORMATS

- Molded
- Cut
- Vulcanization bonding
- Standard sheet size :  
150x150 mm for thickness < 2 mm  
300x300 mm for thickness ≥ 2 mm

