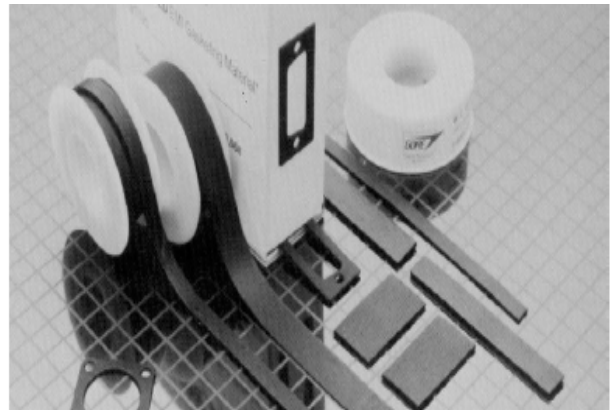


TG 500 Teflon-Schaumstoffe mit Graphit-Beschichtung

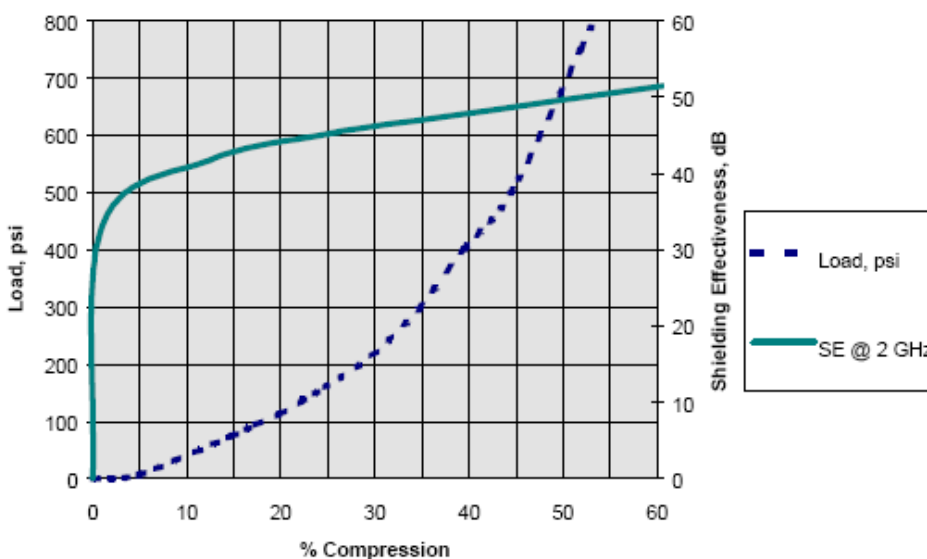
This specification establishes the preliminary electrical and environmental characteristics of TG 500 EMI gasket material. This material consists of expanded polytetrafluoroethylene (ePTFE) that has been filled with a highly conductive carbon particle. This material is intended for use as a non-military gasketing material to suppress unwanted electromagnetic or radio frequency interference, particularly in applications where inter-cavity shielding is important or compliance with international EMC specifications.



Nominal Material Properties

Shore A	45
Density, g/cc	0.34
Shielding Effectiveness (with adhesive)	>45 dB, 0.3- 3 GHz, 2mm wide, 25% compression, using ARP 1705 modified
Volume Resistivity	1.5 ohm-cm at 500 psi,
Operating Temp. Range	-45°C to +120°C
Thickness, mils	10, 15, 20, 30, 60- 80, 100, 125

**Load and Shielding Effectiveness vs. %
Compression
TG 500 with Adhesive**



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