

THERMALLY AND ELECTRICALLY CONDUCTIVE SILICONE SHEET

ohmshield is the product name for the electrically semiconductive sheets from ohmvo portfolio.

ohmshield offers a full range of sheets, from 120 microns thickness to 4 mm. The product is offered with or without reinforcement which makes it ideal for enhanced mechanical properties. It provides protection against electrostatic discharge and can be used as a gasket ensuring EMI protection.

ohmshield has also improved thermal conductivity where a good thermal transmission might be needed.

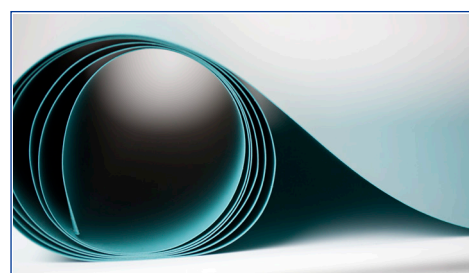
TYPICAL CHARACTERISTICS

	UNIT	VALUES
BASE MATERIAL	-	Silicone rubber
CONDUCTIVE FILLER	-	Ni-C
VOLUME RESISTIVITY	kOhm-cm	0.5 - 4.500
SURFACE RESISTIVITY	kOhm-cm	0.5 - 1.000
DENSITY	g/cm ³	2,0
HARDNESS	Shore A	60-70
TENSILE STRENGTH	MPa	8 - 10
THERMAL CONDUCTIVITY	w/m-K	0,8 - 1,2
DIMENSIONS (MAX.)	mm	580 x 1.280
WITHSTANDING TEMPERATURE	°C	-60 up to 180
REINFORCEMENT	-	Glass or Poliester



APPLICATIONS

- Electrostatic barrier
- EMI protection.
- Stators bars fixation
- Corona effect compensation
- High temperature pads



ROHS INFORMATION

Nickel-Graphite Conductive Rubber 5760 fulfils the requeriments set by the UE Directive 2002/95/EC (RoHS).