

Section C

CONNECTOR GASKETS

Codes - 826-828

DESCRIPTION

SURSHIELD 4081 is a silver-plated nickel loaded Silicone polymer that can be economically processed into EMC gaskets. Typical thickness is 0.5 mm. The nickel coated graphite (116) in silicone is also used.

APPLICATION

Development has been directed towards high performance cost effective gaskets that offer exceptionally good EMC performance.

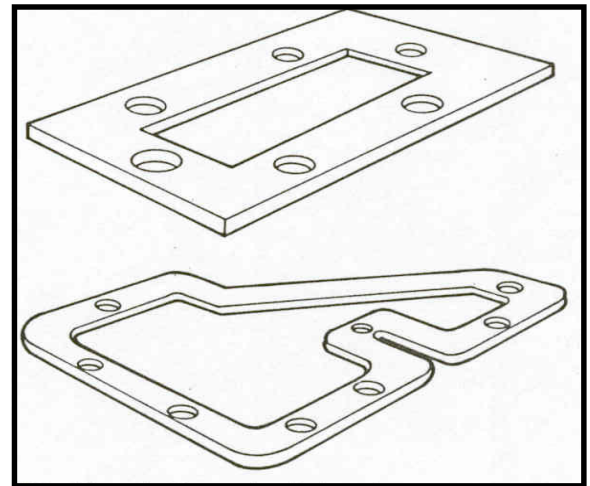
The Choice of material and gasket type to suit a specific application is directed by various factors such as temperature range and fluid compatibility where applicable. Flatness of mating components, the potential for galvanic corrosion, and other EMC considerations such as shielding effectiveness requirement are also major factors.

TYPICAL PROPERTIES

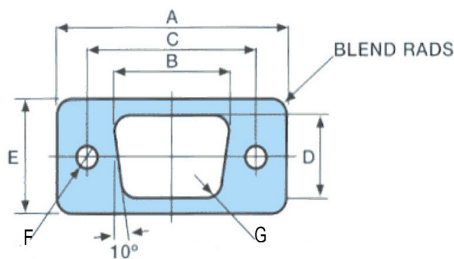
Material System	Polymer Type	Filler	Operating Temperature (°C) (Min/Max)	a: Hardness (Shore A) b: Tensile strength (Mpa) c: Elongation at Break (%)	ELECTRICAL PROPERTIES Volume Resistivity (Ohm cm) (max)	SHIELDING EFFECTIVENESS ASTM ES 7-83 NFC 1000 30 MHz—1GHZ (dB) (Min/Max)
4081	Silicone	Ag/Ni	-55 / 150	a 75 b 1.2 c 100	0.005	76-106

DIE-CUT PARTS

Any of the SURSHIELD conductive polymers shown on page 14,15 and 16 can readily be die-stamped from sheet stock or strip; both gasket profile mounting holes are incorporated in one manufacturing operation. The tooling is not particularly expensive and good dimensional accuracy results.



EMI/RFI MINIATURE SUB D CONNECTOR GASKETS



Standard Thickness: 0.5mm

SHELL SIZE	No. of Contacts	Part No	A	B	C	D	E	F	G Typ
1	9	121-185	30.81	20.45	25.0	11.34	14.91	3.12	3.56
2	15	121-186	39.14	28.57	33.3	11.34	14.91	3.12	3.56
3	25	121-187	53.03	42.29	47.05	11.34	14.91	3.12	3.56
4	37	121-188	69.32	58.80	63.48	11.34	14.91	3.12	3.56
5	50	121-189	66.93	56.64	61.14	14.23	17.83	3.12	3.56

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