

RFI shielding specialist
for conductive adhesives and gaskets

The Classics - Conductive RFI Gaskets

Homogenous Gaskets

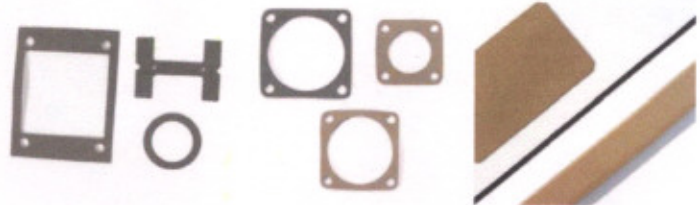
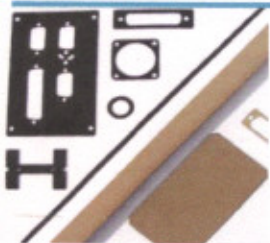


The material for manufacturing disk, punch and rectangular strip gaskets is homogenous conductive, water, gas and pressure-sealed. Sealing foils can be manufactured up to a minimum strength of 0.15 mm.

Typical application fields are casing, flange and connector gaskets, etc.

NEUSIL

Material Description



Material	NEUSIL	1440	1441	1442	1443	1444
elastomer binder		silicone	silicone	silicone	silicone	silicone
conductive particles		Nickel	Ag / glass	Ag / Cu	Ag / Al	Ag
density DIN 53479 A	g/cm ³	3,5	1,8	3,6	1,7	3,7
Shore A hardness DIN 53505	+/- 6	68	72	64	70	62
volume resistance VDE 0303	Ohm cm	0.1	0.02	0.008	0.08	0.01
temperature range	°C	- 55 /+200	- 55 /+200	- 55/+125	- 55 /+160	- 55 /+200
elongation at break DIN 53504-S1	%	75	105	125	77	106
tear strength DIN 53504-S1	N/mm ²	1.3	1.2	1.8	1.5	1.1
tearing resistance ASTM D624B	N/mm	3.7	2.9	3.3	3.0	2.2
compression test ASTM D395 B	70 h @ 100°C	< 40	< 30	< 32	< 30	< 42
colour		black	light beige	beige	light grey	light beige
shielding dB:						
H-field 10 KHz		72	60	67	60	69
E-field 1 MHz		115	100	130	100	130
P-field 1 GHz		85	90	110	90	110
recommended conductive adhesives						
2-component adhesive	NEUSIL	K80	K81	K82		K84
1-component adhesive	NEUSIL	K180	K181	K182	K183	K184
1-component adhesive	NEUSIL			K682		
producible materials						
disk		yes	yes	yes	yes	yes
rectangular cord		yes	yes	yes	yes	yes
punched gaskets		yes	yes	yes	yes	yes