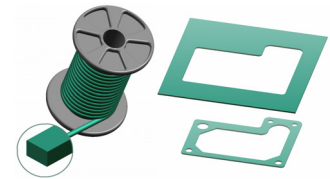


RFI shielding specialist
for conductive adhesives and gaskets

The Classics - Conductive RFI Gaskets

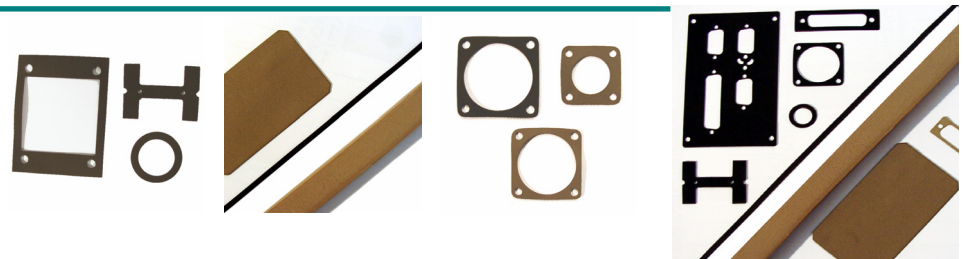
Homogenous Gaskets



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	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	beige	beige	gray	beige
shielding effectiveness 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		
producibile materials						
disk		yes	yes	yes	yes	yes
rectangular cord		yes	yes	yes	yes	yes
punched gaskets		yes	yes	yes	yes	yes

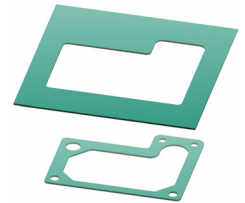
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Homogenous Punched Gaskets

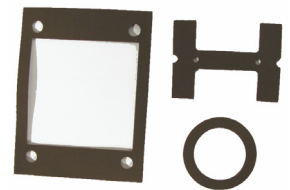
The punched gasket is individually adapted to the sealing contour of the casing. It is homogenous conductive, water, gas and pressure-sealed. Sealing foils can be manufactured up to a minimum strength of 0.15 mm. We manufacture your individual punched gaskets „just in time“ and also offer you the semi-finished disks.

Typical application fields are housing and flange gaskets, etc.



NEUSIL

Standard Disks for Punched Gaskets



Item-no.	A	B	C	tolerance C
Nickel				
1440-PI-0,50	200,0	200,0	0,50	+/- 0,08
1440-PI-0,80	200,0	200,0	0,80	+/- 0,13
1440 PI-1,00	200,0	200,0	1,00	+/- 0,15
1440 PI-1,50	200,0	200,0	1,50	+/- 0,20
1440 PI-2,00	200,0	200,0	2,00	+/- 0,20

Ag / glass

1441-PI-0,25	200,0	200,0	0,25	+/- 0,08
1441-PI-0,50	200,0	200,0	0,50	+/- 0,10
1441-PI-0,80	200,0	200,0	0,80	+/- 0,13
1441-PI-1,00	200,0	200,0	1,00	+/- 0,15

Ag / Cu

1442-PI-0,25	200,0	200,0	0,25	+/- 0,08
1442-PI-0,50	200,0	200,0	0,50	+/- 0,10
1442-PI-0,80	200,0	200,0	0,80	+/- 0,13
1442-PI-1,00	200,0	200,0	1,00	+/- 0,15

