

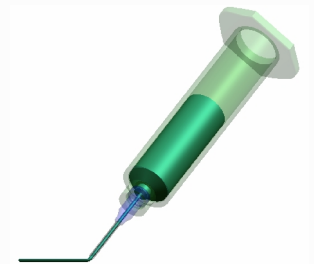
RFI shielding specialist
for conductive adhesives and gaskets

Silicone Adhesives - Conductive

1 - Component Adhesives

The following 1-component adhesives distinguish themselves by their viscous-elastic and after curing slightly sticky properties. Under pressure, these adhesives become conductive. In addition, the degree of viscosity is so low that they can also be sprayed on.

The material properties for individual applications are listed in the table below.



NEUSIL Material Description

1 - component	NEUSIL	K180
elastomer binder		silicone
conductive particles		Nickel
density DIN 53479	g/cm ³	1,32
Shore-A hardness DIN 53505	+/- 6	-
volume resistance (by pressure)	Ohm cm	< 1
temperature range	°C	-55 /+200
elongation at break DIN 53504-S1	%	> 20
colour		black
shielding effectiveness dB:		
H-field 10 KHz		72
E-field 1 MHz		115
P-field 1 GHz		85
conductive adhesives:		
metal with metal		sticky
metal with RFI gasket		sticky
RFI gasket with RFI gasket		sticky
conductive (only with pressure)		yes
removable back with NEU-Lös 12		yes
suitable as mounting aid		yes
non-corrosive with metal		yes
viscosity upon delivery	21 °C	viscous
dilutable with NEU-Lös 12	max 10%	yes
catalyst air humidity		yes
curing tough / sticky		yes
odorless curing		no
resistance against	UV, ozone	yes
storage time	months	12