

RFI shielding specialist  
for conductive adhesives and gaskets

## Silicone Adhesives - Conductive

**NEUSIL™ K682:**            **single component, cures at room temperature**  
(conductive particles: silver coated copper-particles: Ag/Cu)

### 1. Technical information:

1 - component	NEUSIL	K682
<b>Elastomer binder</b>		silicone
<b>Conductive particles!</b>		Ag / Cu
Density DIN 53479	g/cm <sup>3</sup>	2,4
Shore A hardness DIN 53505	-6	62
Volume resistance VDE 0303	Ohm . cm	0,08
Temperature range	°C	-55 / +125
Elongation at break DIN 53504-S1	%	> 45
Color		Red-brown
<b>Shielding effectiveness dB:</b>		
H-field    10 KHz		67
E-field    1 Mhz		130
P-field    1 Ghz		110
<b>Conductive adhesives:</b>		
Metal with metal		good
Metal with RFI gasket		good
RFI gasket with RFI gasket		good
Adhesion on aluminium	N/cm	> 18
Viscosity upon delivery	21 °C	viscous
Tolulene solvent	%	6
Catalyst	21 °C	air humidity
Curing at room temperature	21 °C	yes
Film formation at 0,2 mm strength approx.	minutes	1 - 4
Curing at 0,2 mm strength approx.	minutes	5 - 20
Curing based on film strength and venting surface approx.	minutes	3 - 180
Odourless curing		no
Resistance against	UV, ozone	yes
Storage time: plastic cartridges	<b>months</b>	0,5
Storage time: aluminium cartridges	<b>months</b>	3

**NEUSIL™** : registered mark of the company Firma NEUHAUS ELEKTRONIK

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