

RFI shielding specialist
for conductive adhesives and gaskets

Silicone Adhesives - Conductive

NEUSIL™ K684: single component, cures at room temperature
(conductive particles: silver particles: Ag)

1. Technical information:

1 - component	NEUSIL	K684
Elastomer binder		silicone
Conductive particles		Ag
Density DIN 53479	g/cm ³	3,0
Shore A hardness DIN 53505	-6	60
Volume resistance VDE 0303	Ohm · cm	0,005
Temperature range	°C	-55 / +200
Elongation at break DIN 53504-S1	%	> 40
Color		beige
Shielding effectiveness dB:		
H-field 10 KHz		69
E-field 1 Mhz		130
P-field 1 Ghz		110
Conductive adhesives:		
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	%	5
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	weeks	2
Storage time: aluminium cartridges	weeks	8

NEUSIL™ : registered mark of the company Firma NEUHAUS ELEKTRONIK

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