

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
Elastomer binder		silicone
Conductive particles!		Ag / Cu
Density DIN 53479	g/cm ³	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	%	> 35
Color		Red-brown
Shielding effectiveness dB:		
H-field 10 KHz		67
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	months	0,5
Storage time: aluminium cartridges	months	3

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