

RFI shielding specialist
for conductive adhesives and gaskets

Silicone Adhesives - Conductive

NEUSIL™ K580: single component, cures at room temperature
(conductive particles:nickel-particles: Ni)

1. Technical information:

1 - component	NEUSIL	K580
Elastomer binder		silicone
Conductive particlesl		Nickel
Density DIN 53479	g/cm ³	2,0
Shore A hardness DIN 53505	-6	59
Volume resistance VDE 0303	Ohm . cm	0,9
Temperature range	°C	- 55 to + 200 °C
Elongation at break DIN 53504-S1	%	> 45
Color		Black
Shielding effectiveness dB:		
H-field 10 KHz		70
E-field 1 Mhz		110
P-field 1 Ghz		88
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 approxx.	minutes	1 - 2
Curing at 0,2 mm strength approxx.	minutes	4 - 100
Curing based on film strength and venting surface approxx.	minutes	100 - 300
Odourless curing		no
Resistance against	UV, ozone	yes
Storage time: plastic cartridges	weeks	2
Storage time: aluminium cartridges	weeks	8

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