

# NEUHAUS Elektronik GmbH

RFI shielding specialist

for conductive adhesives and gaskets

## Silicone Adhesives - Conductive

**NEUSIL™ 3851023: single component, cures at room temperature**  
(conductive particles: silver coated copper-particles: Ag/Cu)

### 1. Technical information:

<b>1 - component</b>	<b>NEUSIL</b>	<b>3851023</b>
<b>Elastomer binder</b>		silicone
<b>Conductive particles</b>		Ag / Cu
Density DIN 53479	g/cm <sup>3</sup>	2,6
Shore A hardness DIN 53505	-6	44
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	weeks	2
Storage time: aluminium cartridges	weeks	8

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

**NEUHAUS Elektronik GmbH Drontheimer Straße 21 D-13359 Berlin**

Tel.: +49 (0)30 - 497 695 - 0 Email: neuhaus-elektronik@t-online.de

Fax: +49 (0)30 - 497 695 - 30 <http://www.neuhaus-elektronik.de>