

### Improvement of the RFI-level and reduction of production costs with special carbon brush materials

The compliance with current RFI-standards is a very important issue for producers of power tools. In many cases they are forced to use expensive noise suppression chokes and/or capacitors.

Due to the outstanding suppression properties of Schunk brush materials, in several cases our customers are able to cut down their production costs considerably by saving the suppression chokes.

Many of our customers around the world have already taken advantage of the good suppression properties of many of our "L-grades". As a new member of this grade family, grade **L46** is available now. Physical properties are summarized in table 1.

	<b>L46</b>
Electrical resistivity	880 $\mu\Omega\text{m}$
Bulk density	1,60 $\text{g/cm}^3$
Hardness Rockwell HR10/40	90
Flexural strength	20 $\text{N/mm}^2$

**Table 1: Physical properties**

Excellent test results have been achieved with 230 V small angle grinders from different motor producers.

It is recommended to use this brush grade with one of our well known impregnations F12 or F13.

Please do not hesitate to contact us for more information and/or samples for your specific application.

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