

Two new “forgiving”¹ carbon brush grades

The carbon brush grade **L53** is worldwide well-known and very successful for the use in universal motors which are used in household appliances and electric power tools amongst other applications. In addition to this, we have supplemented two additional L53-based carbon brush materials in order to enlarge the range of use.

The advantages of L53 and L53-based materials:

- Versatile, all purpose carbon brush material
- Possibility of brush grade standardisation over a wide range of applications
- Low cost

The physical properties of the new available grades **L58** and **L59** are summarized in table 1:

	L58	L59
Electrical resistivity	620 $\mu\Omega\text{m}$	270 $\mu\Omega\text{m}$
Bulk density	1,50 g/cm^3	1,51 g/cm^3
Hardness Rockwell HR10/40	90	90
Flexural strength	19 N/mm^2	25 N/mm^2

Table 1: Physical properties

Good test results and customer references are available for various applications from different motor producers around the world.

These grades can be used without impregnation or with one of our well known impregnations F10, F12 or F13.

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

¹ Tolerant against spreads of the motor system

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