

New carbon brush grade for high speed vacuum cleaner motors – G20

As a new member of our epoxy-resin bonded “G-grade” family we have developed an additional grade of carbon brush material with the following advantages:

- Grade is suitable for 100-240 V applications
- Grade works on motors up to 50.000 rpm
- Improved damping behaviour and electrical conductivity

Based on these specifications grade G20 is available now. Physical properties are summarized in table 1.

	G20
Electrical resistivity	400 $\mu\Omega\text{m}$
Bulk density	1,60 g/cm^3
Hardness Rockwell HR10/40	58
Flexural strength	22 N/mm^2

Table 1: Physical properties

Excellent test results have been achieved with vacuum cleaner motors from different motor producers:

- Remarkable increase in lifetime (twice the requirement)
- Low commutator wear
- Lower operating temperatures

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

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