

# EG8220

ZOOM

## GRADE EG8220 CARBON BRUSHES FOR TRACTION MOTORS



### EG8220 advantages:

- High mechanical strength for operation in severe conditions (absence of cracks)
- Good commutation over a wide range of temperatures
- The grade does not attack the commutator
- Low wear rate (lifetime up to 250,000 km)

### MERSEN'S RELIABLE SOLUTION

Mersen is a world leader in the manufacturing of carbon brushes for all types of motors and generators.

After extensive years of experience, grade EG8220 has been developed specifically for railway traction motors.

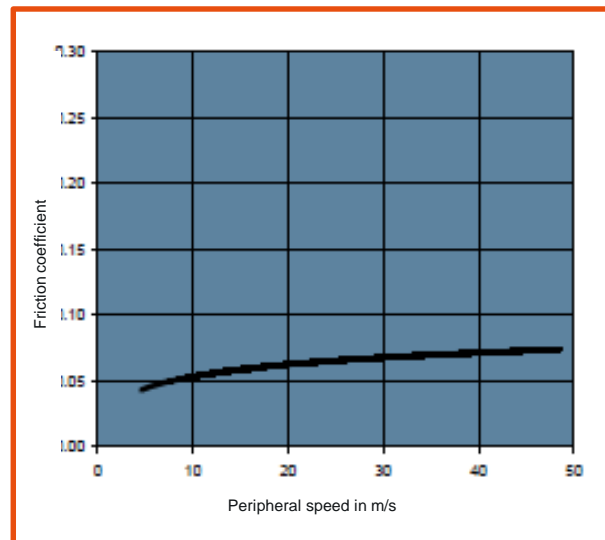
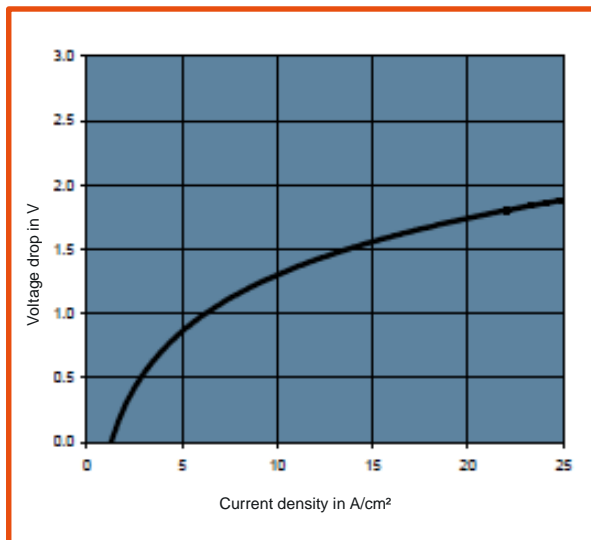
Today EG8220 is used worldwide and provides a good technical and economical performance.



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**Technical characteristics:**

- Density: 1.82
- Resistivity: 5,300  $\mu\Omega\cdot\text{cm}$  / 0.0021  $\Omega\cdot\text{in}$
- Flexural strength: 37 MPa / 5,366 PSI
- Shore hardness: 85

**Recommended operating conditions:**

Current density: 8-12 A/cm<sup>2</sup> / 50-77 A/inch<sup>2</sup>

Linear speed: < 50 m/sec / 9,840 fpm

Pressure on carbon brush: 37 kPa / 5,4 PSI

**Mersen offers a wide range of solutions for the rail industry:**

- Contact strips for pantographs
- Carbon brushes and brush-holders for alternator, traction and auxiliary motors
- Tools for diagnostic and maintenance of electric motors
- Services (expertise, in situ machining of commutators, training)

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In addition, due to the continuing improvement of techniques and change of applicable standards, Mersen is entitled to modify at any time the characteristics and specifications of its products as described in present catalogue.

Please contact Mersen in case your operation conditions are beyond above specified limits.

Contact: [info.ptt@mersen.com](mailto:info.ptt@mersen.com)