

ZOOM

AC137

GRADE AC137 CARBON BRUSHES FOR TRACTION MOTORS



AC137 advantages:

- **High mechanical strength** for operation in severe conditions (absence of cracks)
 - ➔ no flashovers or other damaging events
- **Good commutation** over a wide range of temperatures
 - ➔ consistent commutating performance
- The grade **does not attack the commutator**
 - ➔ long commutator life between rectifications
- **Low wear rate**
 - ➔ consistent brush life

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 AC137 has been developed specifically for railway traction motors.

Today AC137 is used worldwide and provides a good technical and economical performance.

A world renowned grade

A very good general purpose traction grade used successfully in Australia, Egypt, Mexico, New Zealand, South Africa, Spain, Taiwan, Turkey and the USA.

Grade specification

TYPICAL CHARACTERISTICS		
Classification	ELECTROGRAPHITE	
Metal content	0%	
Resistivity	5,080 0.00200	$\mu\Omega.cm$ $\Omega.in$
Flexural strength	41.2 5,800	MPa PSI
Hardness	80	Shore
Relative density	1.72	
Current density	12.4 80	A/cm^2 A/in^2
Peripheral speed	51 10,000	m/sec ft/min
Contact drop	High	
Friction	Low	
Polishing	Slight	


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

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