TECHNICAL DATA

Material: Silver graphite  
Content: Silver & graphite powder  
Application: Slip ring

Values (as guideline)

- Max current density: 25 A/cm²  
- Peak current: >50 A/cm²  
- Max peripheral speed: 45 m/s  
- Brush pressure: 200-300 cN/cm²

Material data (typical values)

- Bulk density: 3.85 g/cm³  
- Rockwell hardness: 90 HR₁₀/₁₀₀  
- Flexural strength: 40 N/mm²  
- Specific electrical resistivity: 0.8 µΩm

Operational characteristics

Voltage drop (Uc) between brush & slip ring at 18 m/s

Coefficient of friction (µ) at a current density of 18.0 A/cm²

Experimental conditions

- Slip ring material: Phosphor bronze (PB1)  
- Brush pressure: 225 cN/cm²  
- Temperature: 45-75 °C  
- Current: AC 50 Hz

This data sheet is intended to provide general information and are not guaranteed specific properties in field applications. Figures may vary depending on environment and type of application.

MSDS

According to KEMI, the Swedish Chemicals Agency, carbon brushes, including metal graphite brushes, are classified in the REACH regulation as articles and do not require a Materials Safety Data Sheet.

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