

LFC554

NATURAL-GRAPHITE GRADE FOR STEEL SLIP RINGS ON TURBO-GENERATORS APPLICATIONS

S – Edition 5
16/04/2024

COMPOSITION (MASS %)

- Graphite, carbon and additives **100%**

AVERAGE PHYSICAL CHARACTERISTICS

TEST METHODS ACCORDING TO THE STANDARD
IEC 60413:1972

- Bulk density **1,26**
- Resistivity **2000 $\mu\Omega$.cm**
- Flexural strength **12 MPa**
- Shore scleroscope C2 **13**

RECOMMENDED RUNNING CONDITIONS

- Current density **6 - 13 A/cm²**
- Peripheral speed **≤ 100 m/s**
- Pressure (please contact us) **11 - 15 kPa**

* Test conditions – Measured parameters:

Ring material	Steel
Type	Plain
Pressure:	13 kPa
Absolute humidity:	10 g/m ³

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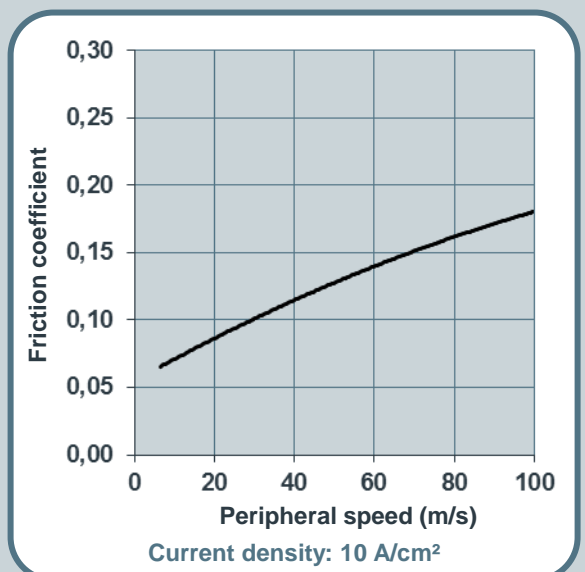
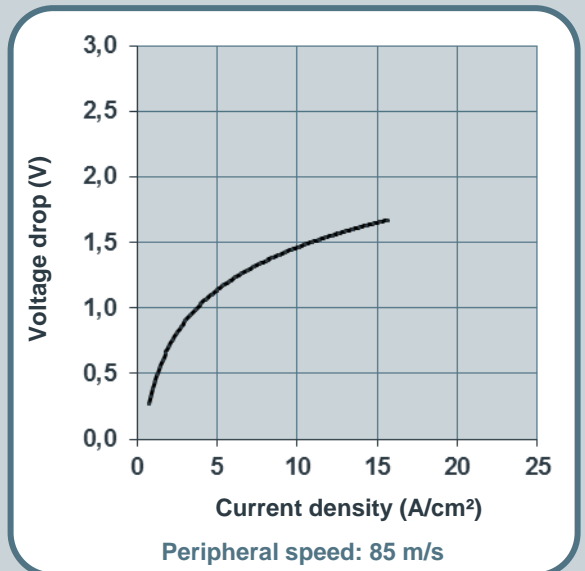
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FM018 – Ed.D

Contact: info.ptt@mersen.com

OPERATIONAL CHARACTERISTICS ON STEEL SLIP RING

TEST PROCEDURE ACCORDING TO THE STANDARD
IEC 60773:1983 *



LFC554

FICHE TECHNIQUE

NUANCE GRAPHITE-NATUREL POUR APPLICATIONS BAGUES ACIER DE TURBO-GÉNÉRATEURS

S – Edition 5
16/04/2024

COMPOSITION (% MASSIQUE)

- Graphite, carbone et additifs 100%

CHARACTÉRISTIQUES PHYSIQUES MOYENNES

MÉTHODES D'ESSAIS SELON LA NORME IEC 60413:1972

- Densité 1,26
- Résistivité 2000 $\mu\Omega\cdot\text{cm}$
- Résistance à la flexion 12 MPa
- Shore scleroscope C2 13

CONDITIONS DE FONCTIONNEMENT RECOMMANDÉES

- Densité de courant 6 - 13 A/cm²
- Vitesse périphérique ≤ 100 m/s
- Pression (nous consulter) 11 - 15 kPa

* Conditions d'essai – Paramètres mesurés :

Matériau bague :	Acier
Type :	Lisse
Pression :	13 kPa
Humidité absolue :	10 g/m ³

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Les produits Mersen ont été conçus, fabriqués et testés par Mersen pour des applications industrielles et leur fonctionnement dépend des spécifications techniques et des conditions climatiques particulières dans lesquelles sont utilisés vos équipements.

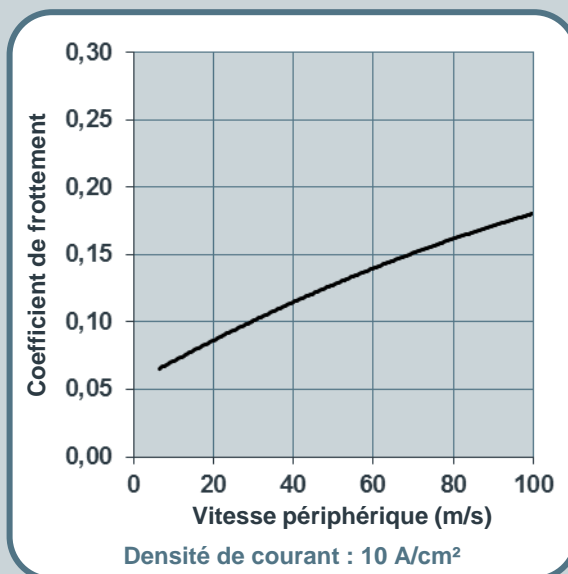
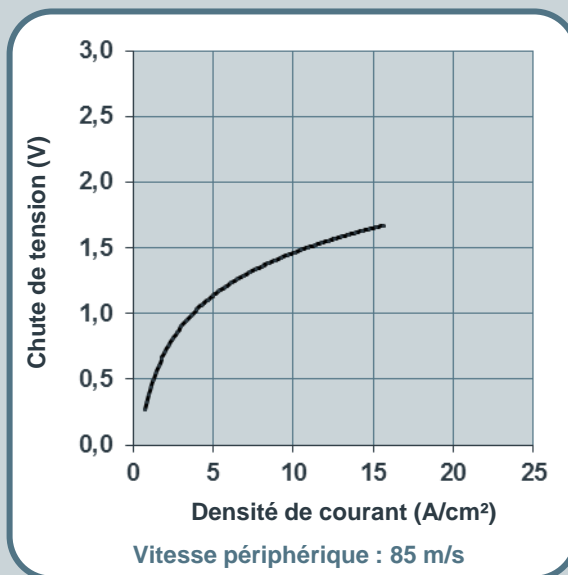
Avant toute commande, merci de prendre contact avec Mersen afin de vous assurer que les produits que vous souhaitez commander sont adaptés et qu'ils correspondent à vos besoins. Il est nécessaire de communiquer à Mersen toutes les spécifications techniques et conditions climatiques particulières dans lesquelles sont exploités les équipements. A défaut, Mersen, ses distributeurs et/ou agents déclinent toute responsabilité et/ou garantie qu'elle soit explicite ou implicite quant à la fiabilité et la durée de vie des produits commandés.

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Contact: info.ptt@mersen.com

CHARACTÉRISTIQUES OPÉRATIONNELLES SUR BAGUE ACIER

MÉTHODE DE TEST SELON LA NORME
CEI 60773:1983 *



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- Graphite, carbon and additives **100%**

AVERAGE PHYSICAL CHARACTERISTICS

TEST METHODS ACCORDING TO THE STANDARD
IEC 60413:1972

- Bulk density **1.26**
- Resistivity **800 $\mu\Omega.in$**
- Flexural strength **1750 PSI**
- Shore scleroscope C2 **13**

RECOMMENDED RUNNING CONDITIONS

- Current density **40 - 85 A/in²**
- Peripheral speed **$\leq 20,000$ ft/min**
- Pressure (please contact us) **1.6 – 2.2 kPa**

* Test conditions – Measured parameters:

Ring material	Steel
Type	Plain
Pressure:	1.9 PSI
Absolute humidity:	10 g/m ³

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