

TECHNICAL DATA SHEET



FERMIT A1F-07T

RANGE OF APPLICATION

Drum brake linings for ware transportation vehicles braking system equipping. (trucks, trailers, etc) and passenger vehicles (buses, coaches, etc)



MATERIAL DESCRIPTION

- A1F-07T is a non-asbestos, ecological friction material, with a good braking efficiency and good wear characteristics.
- Composition : Mineral fibres, inorganic powdery materials bonded with phenol-formaldehyde synthetic resin and synthetic rubber in powder, observing actual valid regulation requirements representing environment and working safety conditions.

WORKING CONDITIONS

- Operating maximum temperature
 - continuous application 300°C
 - short time application 350°C
 - Maximum working pressure 3,0 MPa
 - There are no restrictions for using of friction material concerning to varied climate zones.
- The maximum limit conditions for temperature and pressure mustn't occur simultaneously.*

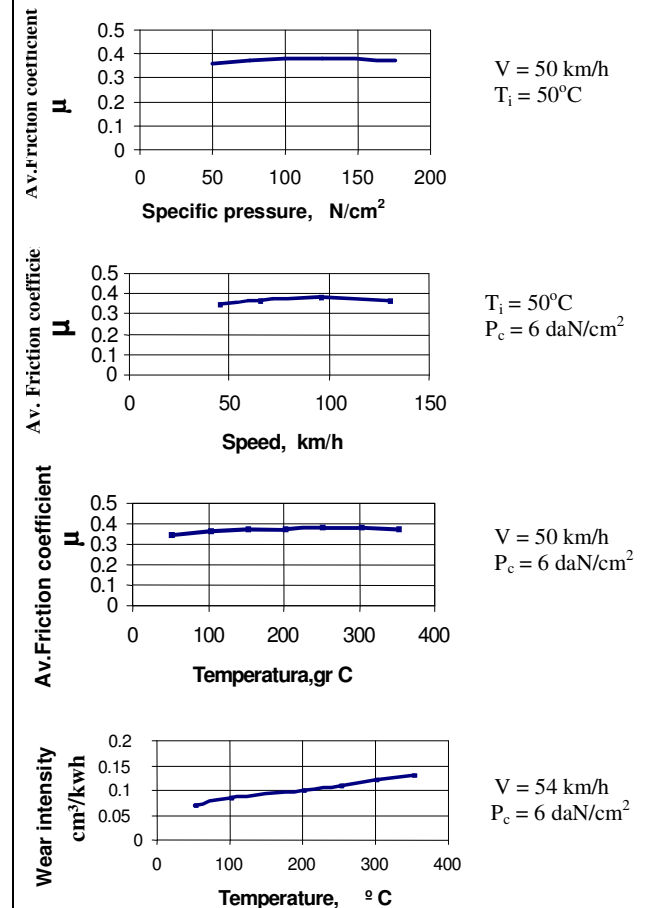
OPERATING FEATURES

- Friction: according to SF 42 (Reference: No.r. 90 ECE-ONU Regulation)
 - minimum 0,20
 - maximum 0,45
 - operational 1 0,34 + 15 % / 0,34 - 12 %
 - operational 2 0,35 + 15 % / 0,35 - 14 %
- Wear intensity SF 7/12 max. 0,25 cm³/ kwh

PHISICO-MECHANICAL FEATURES

- Density SF 7/1 (Reference: Renault D45 1859 Test method) 2,3 ± 0,2 g/ cm³
- Rockwell Hardness SF 7/14 (Reference: ISO 2039-2) 67 ± 8 HRR
- Compressibility SF 48 (Reference ISO 6311)
 - at ambient temperature max. 2 %
 - at 200 °C max. 4 %

Note: " SF 7/1; SF 7/12; SF 7/14; SF 42; SF 48 " are FERMIT's elaborated testing method standards.



Nota: Friction characteristics were determined on friction material specimens, on a small-scale tester.

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