DSM 3.10.1
Friction Material

General:

FERODO 3910F is the fully cured version of 3915F and in common with this material it has a high coefficient of friction. The frictional characteristics of Ferodo 3910F include excellent temperature resistance and silent operation.

A non-asbestos friction material; it is a rigid moulded product, dark grey in colour having a basis of processed fibre with a small percentage of brass chippings in random dispersion.

This material is produced as flat sheets and is suitable for use under dry operating conditions only (i.e. it is not suitable for use in oil.)

The friction material is manufactured with a ground finish on both surfaces, so may be riveted or bonded to a metal back plate.

This material can be bonded using any of the established bonding adhesives although for the best results, thermosetting adhesives should be used.

Specifications:

1. Friction Level: μ for design purposes 0.38

2. Recommended Operating Range:-

- Unit pressure: 70-690 kN/m2 (10-100 lb/in2)
- Maximum rubbing speed: 18 m/sec (60 ft/sec)
- Maximum temperature: 350°C
- Continuous temperature: 150°C

NOTE: Continuous temperature quoted is for constant slip conditions.

For intermittent brake applications, bulk temperatures of 250°C are acceptable for long periods.

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
	HARDNESS Shore A	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:
3910F	---	12 MPa	2.6 GPa	0.34	2045 Kg/m^3

Alternatives:

Alternatives are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08	09
DCR	7135	44832							