

D3733 Product Data Sheet

General Description

D3733 is a medium friction, rigid, non-metallic material supplied as compression moulded slabs and flat shapes.

D3733 meets the requirements of Fed Spec HH-L-361G

Applications

D3733 exhibits sufficient strength, and is recommended for, light to medium duty gear tooth facings or notched drivers. D3733 may be used dry or in oil immersed applications.

Bonding

D3733 may be bonded using any of the established adhesives recommended for friction material. However, to obtain the best results it is necessary to use a thermosetting adhesive.

Mating Surface

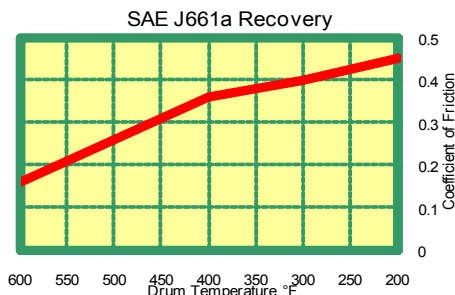
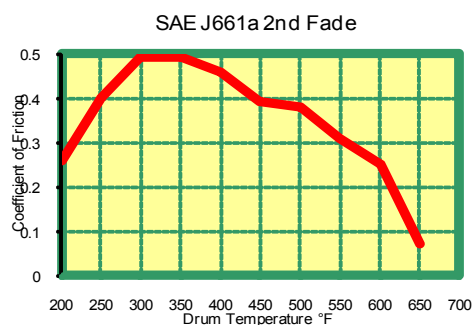
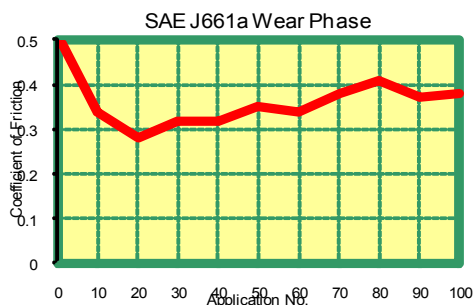
A good quality, fine grained, pearlitic cast iron or cold rolled steel with a Brinell hardness of 200. Cast steels are not recommended.

Availability

Sheets 660 x 530mm x 3.2mm up to 25.4mm thick

Sheets 900 x 700mm x 3.2mm up to 25.4mm thick

Discs and special shapes on request



TECHNICAL DATA

Friction

μ for design purposes :	Normal	0.41
	Hot	0.33
	Dynamic @200°F	0.26
	Dynamic @400°F	0.37
	Static @ 200°F	0.60
	Static @ 400°F	0.35

Recommended Operating Range

Max Pressure	250psi
Max. rubbing speed :	25M/s (83 ft/s)
Dry	15M/s (50 ft/s) In Oil
Max. continuous temperature	260°C Dry
	82°C In Oil
Max. intermittent temperature	225°C Dry
	138°C In Oil

Physical Properties

Density	1.80 g/cc
Wear Rate	0.0025 in ³ /hp-hr
Ultimate tensile strength	5,200 lbf/in ² (35.9 MPa)
Ultimate shear strength	7,900 lbf/in ² (54.5 MPa)
Ultimate compressive strength	23,500 lbf/in ² (162.1 MPa)
Ultimate flexural strength	9,800 lbf/in ² (67.6 MPa)
Gogan hardness	17 +/-5

(All physical properties shown above are all mean values)

The information supplied in this data sheet is believed to be accurate and reliable, and was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside the control of FEROTEC FRICTION LIMITED, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance.

Issue 5 Jun 10

