

D9704 Product Data Sheet

General Description

D9704 is a medium-low coefficient, rigid friction composite supplied in segments or flat sheets. D9704 is a general purpose material recommended for use where a lower coefficient is desirable.

Bonding

D9703 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 180. Cast steels are not recommended.

Availability

- Sheets size 900mm x 700mm x 4.0 up to 25.4mm thick
- Special shapes and discs on request

TECHNICAL DATA

Friction

μ for design purposes (SAE J661):	Normal	0.29
	Hot	0.29
	@ 400°F	0.23
	Static @ 200°F	0.48
	Static @ 400°F	0.30

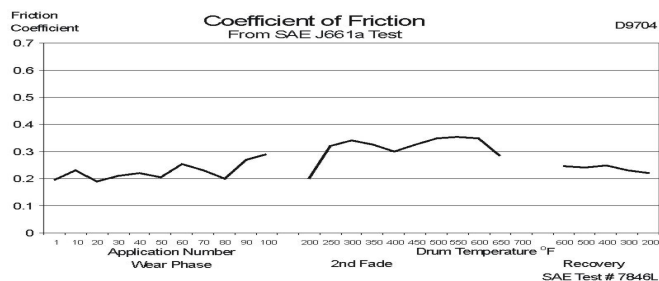
Recommended Operating Range

Max. Unit Pressure	150 psi
Max. rubbing speed	18m/s
Max. continuous temperature	288°C
Max. intermittent temperature	345°C
Min. temperature	-12°C

PHYSICAL PROPERTIES

Density (SAE J380)	1.85 g/cc
Wear rate	0.0057 in ³ /hp-hr
Ultimate tensile strength (ASTM D638)	2,400 psi
Modulus x 10 ⁶	1.25 psi
Elongation	0.22%
Ultimate compressive strength (ASTM D695)	7,500 psi
Ultimate shear strength (ASTM D732)	3,500 psi
Ultimate flexural strength (ASTM D790)	5,400psi
Modulus x 10 ⁶	
Conductivity	2.60 BTU-in/hr/ft ² /°F

(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 4 Sept 10