

D9723 Product Data Sheet

General Description

D9723 is an extremely stable, high coefficient, rigid moulded material suitable for segments moulded to arcs, flat sheets and odd shapes. D9723 is suggested for on- or off-road applications where its high coefficient and excellent heat resistance are required. D9723 has AMECA approval for on-road use.

Bonding

D3731 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

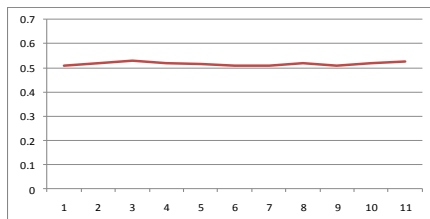
- Sheet size 711mm x 914mm x 4.8mm up to 38mm thick
- Special shapes and discs on request

TECHNICAL DATA

Friction

μ for design purposes : (SAE J661)	Normal	0.52
	Hot	0.51
	@204°C	0.52
	Static @ 93°C	0.61
	Static @ 204°C	0.50

Coefficient of Friction



Recommended Operating Range

Maximum unit pressure	250
Max. rubbing speed	25 m/s (82 ft/s)
Min. temperature	-23°C
Max. continuous temperature	288°C
Max. intermittent temperature	343°C

PHYSICAL PROPERTIES

Density	1.85 g/cc minimum
Wear Rate	0.0054 in ³ /hp-hr
Ultimate tensile strength	3,100 psi
Modulus x 10 ⁶	2.10 psi
Elongation,	0.16%
Ultimate flexural strength	5,400 psi
Modulus x 10 ⁶	0.06 psi
Ultimate compressive strength	12,000 psi
Ultimate shear strength	5,700 psi
Conductivity	2.97 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.

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