## Ferotec Friction, Inc.

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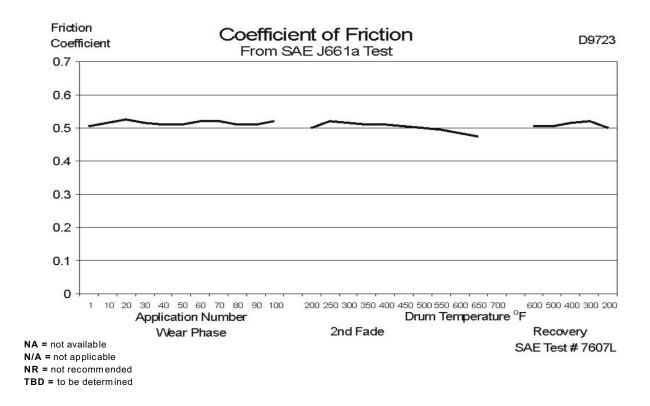
## PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9723**

**PRODUCT DESCRIPTION: D9723** is an extremely stable, high coefficient, rigid molded material suitable for segments molded to arc, flat slabs, and odd shapes.

**APPLICATION: 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.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max
Thickness, inches		0.187 to 1.50
Length, inches		36 Max.
Specific Gravity	SAE J380	1.80
Apparent Density, pounds/in <sup>3</sup>		0.065
Hardness, Gogan	SAE J379	20 ± 5
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	3100
Modulus x 10 <sup>6</sup> , psi		2.10
Elongation, %		0.16
Flexural Strength, psi	ASTM D790	5400
Modulus x 10 <sup>6</sup> , psi		0.06
Compression Strength, psi	ASTM D695	12000
Shear Strength, psi	ASTM D732	5700
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft²/°F	ASTM D2214	2.97
Specific Heat, Cal/gm/°C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.52
Hot		.51
@ 400°F		.52
Static @ 200°F		.61
@ 400°F		.50
Wear Rate, in³/hp-hr		0.0054
Friction Code	SAE J866	GG
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		5000
Temperature, ⁰F		
Minimum		-10
Maximum (Intermittent)		650
Maximum (Continuous)		550
(2) Data derived from SAE J661a dynamometer test results.		
(3) Recommended operating limits are commensurate wit	h a reasonable amount o	of wear and uniform performance.



The information and data supplied in this data sheet are believed to be accurate and reliable, and were obtained from standard laboratory tests. Since actual conditions of use are not within the control of **Ferotec Friction**, it is suggested that **D9723** be thoroughly tested and its suitability for use be determined before final acceptance.