

Ferotec Friction, Inc.

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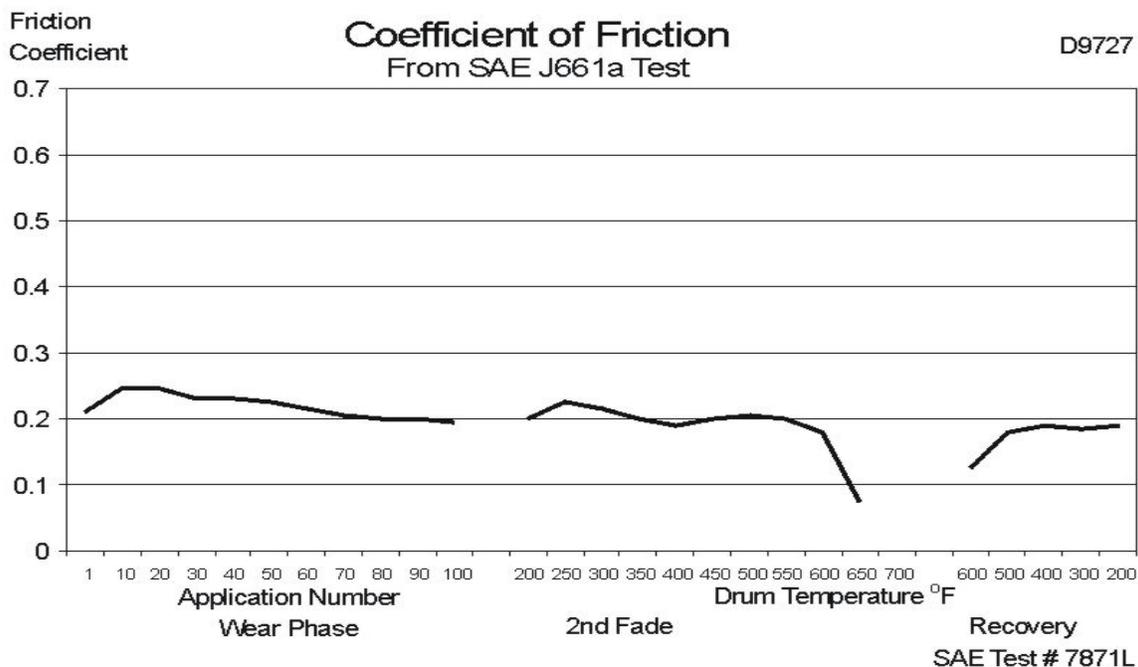
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9727**

PRODUCT DESCRIPTION: D9727 is a medium-low coefficient material supplied in full-cured slabs or custom molded shapes.

APPLICATION: D9727 is especially recommended for use against copper and aluminum surfaces in liquid cooled brakes and clutches, where operating temperatures are relatively low.

PHYSICAL PROPERTIES		
Available Sizes (1)		.
Width, inches		28 Max
Thickness, inches		0.250 to 1.50
Length, inches		36 Max.
Specific Gravity	SAE J380	1.75
Apparent Density, pounds/in ³		0.063
Hardness, Gogan	SAE J379	50 ± 10
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	4300
Modulus x 10 ⁶ , psi		1.45
Elongation, %		0.30
Flexural Strength, psi	ASTM D790	6800
Modulus x 10 ⁶ , psi		0.85
Compression Strength, psi	ASTM D695	15300
Shear Strength, psi	ASTM D732	4800
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft ² /°F	ASTM D2214	2.68
Specific Heat, Cal/gm/°C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.20
Hot		.18
@ 400°F		.21
Static @ 200°F		.27
@ 400°F		.26
Wear Rate, in ³ /hp-hr		0.0030
Friction Code	SAE J866	DD
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		3500
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		550
Maximum (Continuous)		500
(2) Data derived from SAE J661a dynamometer test results.		
(3) Recommended operating limits are commensurate with a reasonable amount of wear and uniform performance.		



NA = not available
N/A = not applicable
NR = not recommended
TBD = to be determined

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 **D9727** be thoroughly tested and its suitability for use be determined before final acceptance.