

# *Ferotec Friction, Inc.*

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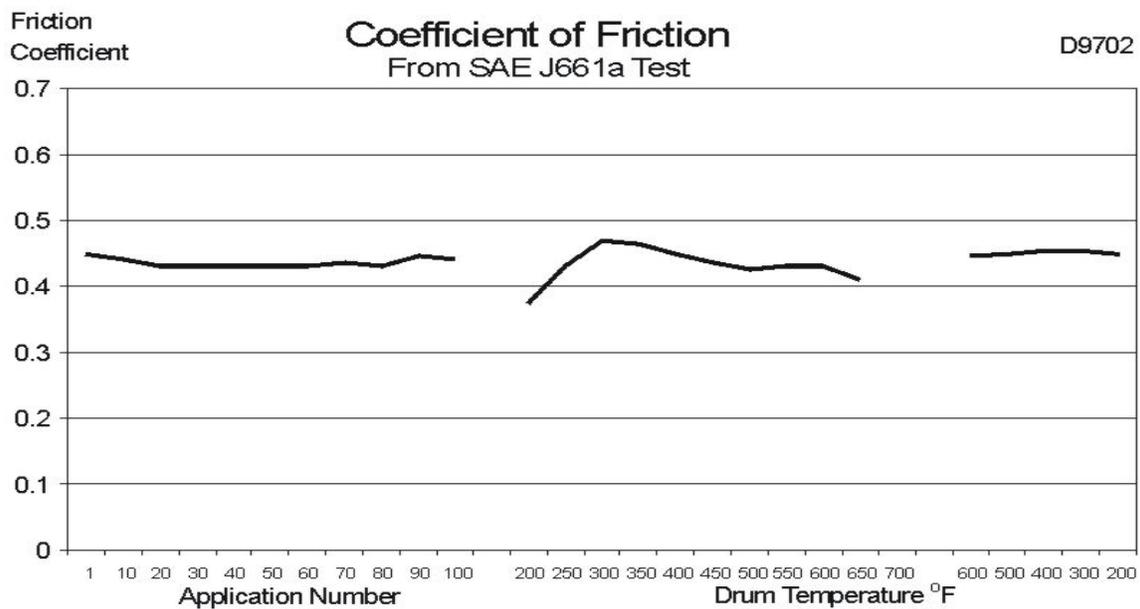
## PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9702**

**PRODUCT DESCRIPTION: D9702** is a medium-high coefficient, rigid molded material supplied in segments or flat, semi-cured slabs. It is stronger, more rigid, and harder than **D2017** and **D9703**.

**APPLICATION: D9702** exhibits excellent fade resistance and friction stability, making it a good choice for industrial and off-road applications requiring hard, or rigid parts.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max.
Thickness, inches		0.062 to 1.250
Length, inches		36 Max.
Specific Gravity	SAE J380	1.88 – 2.08
Apparent Density, pounds/in <sup>3</sup>		.072
Hardness, Gogan	SAE J379	20 - 30
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	3400
Modulus x 10 <sup>6</sup> , psi		1.97
Elongation, %		0.16
Flexural Strength, psi	ASTM D790	8800
Modulus x 10 <sup>6</sup> , psi		1.65
Compression Strength, psi	ASTM D695	15900
Shear Strength, psi	ASTM D732	6100
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft <sup>2</sup> /°F	ASTM D2214	TBD
Specific Heat, Cal/gm/°C	ASTM C351	TBD
FRICTION PROPERTIES		

Coefficient of Friction (2)	SAE J661	
Normal		.44
Hot		.44
@ 400°F		.44
Static @ 200°F		.65
@ 400°F		.45
Wear Rate, in <sup>3</sup> /hp-hr		0.0046
Friction Code	SAE J866	FF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		5000
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		650
Maximum (Continuous)		550
(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

SAE Test # 7889L

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 **D9702** be thoroughly tested and its suitability for use be determined before final acceptance.