

# *Ferotec Friction, Inc.*

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## PRODUCT DATA SHEET

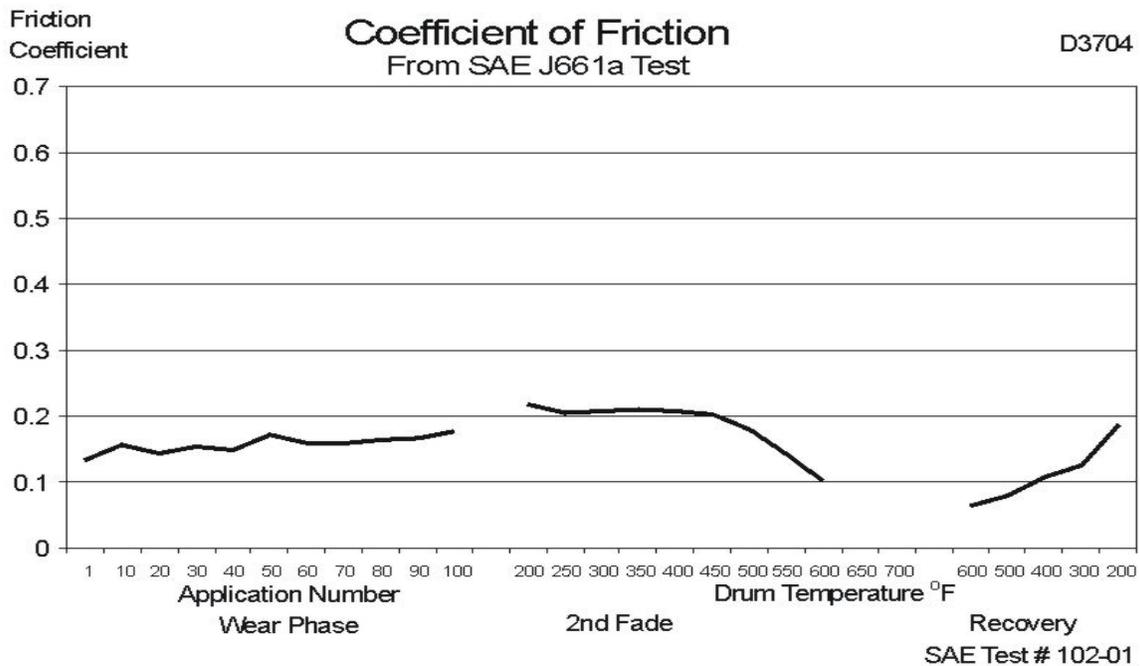
### FRICITION MATERIAL COMPOSITE: **D3704**

**PRODUCT DESCRIPTION:** D3704 is a low coefficient, flexible material.

**APPLICATION:** D3704 is suitable for many applications where a low coefficient is required for a “soft” engagement in picking up engaging a load.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		13 Max.
Thickness, inches		0.125" to 0.500"
Length, inches		46 Max.
Specific Gravity	SAE J380	1.77
Apparent Density, pounds/in <sup>3</sup>		0.064
Hardness, Shore D	SAE J379	65 +/- 5
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	1125
Modulus x 10 <sup>6</sup> , psi		TBD
Elongation, %		TBD
Flexural Strength, psi	ASTM D790	N/A
Modulus x 10 <sup>6</sup> , psi		N/A
Compression Strength, psi	ASTM D695	N/A
Shear Strength, psi	ASTM D732	TBD
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft <sup>2</sup> /°F	ASTM D2214	N/A
Specific Heat, Cal/gm/°C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.21
Hot		.12
@ 400°F		.16
Static @ 200°F		TBD
@ 400°F		TBD
Wear Rate, in <sup>3</sup> /hp-hr		0.0060"
Friction Code	SAE J866	DC
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		3500
Temperature, °F		
Minimum		-40
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

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, Inc.** it is suggested that **D3704** be thoroughly tested and its suitability for use be determined before final acceptance.