Ferotec Friction, Inc.

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PRODUCT DATA SHEET

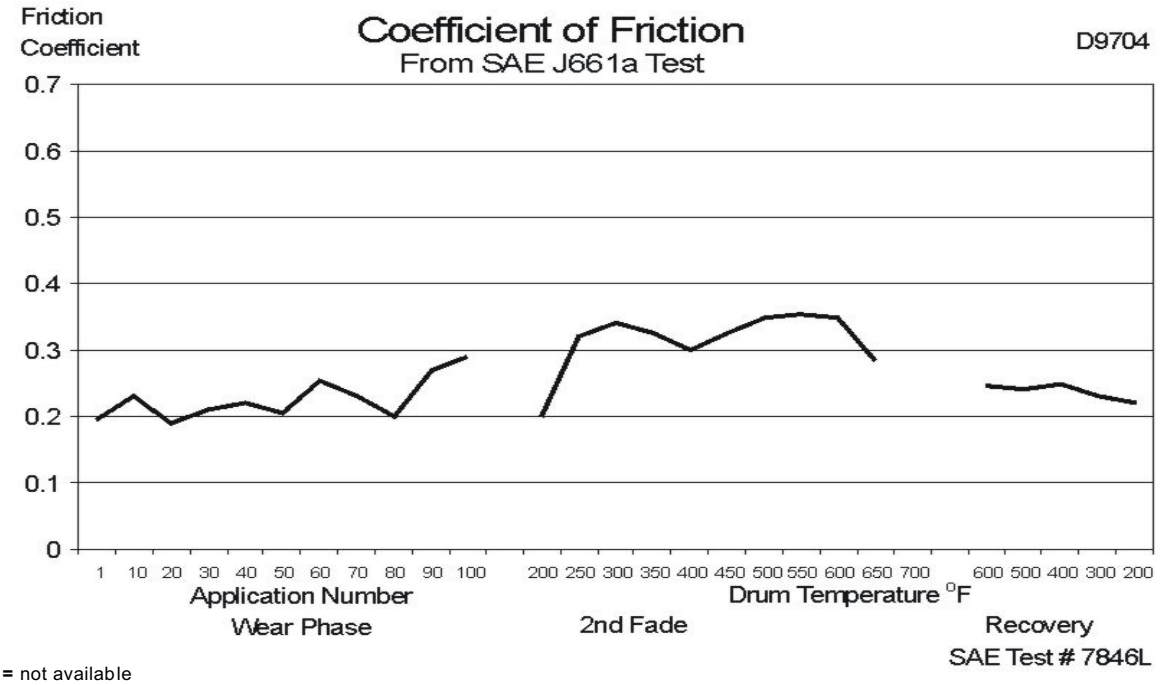
FRICTION MATERIAL COMPOSITE: **D9704**

PRODUCT DESCRIPTION: D9704 is a medium-low coefficient, rigid molded material supplied in segments or flat, semi-cured slabs.

APPLICATION: D9704 is a general purpose material recommended for use where a lower coefficient is desirable.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max.
Thickness, inches		0.250 to 1.000
Length, inches		36 Max.
Specific Gravity	SAE J380	1.85
Apparent Density, pounds/in^3		.067
Hardness, Gogan	SAE J379	TBD
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	2400
Modulus x 10^6, psi		1.25
Elongation, %		0.22
Flexural Strength, psi	ASTM D790	5400
Modulus x 10^6, psi		0.84
Compression Strength, psi	ASTM D695	7500
Shear Strength, psi	ASTM D732	3500
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft^2/^{o}F	ASTM D2214	2.60
Specific Heat, Cal/gm/^{o}C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.29
Hot		.29
@ 400°F		.23
Static @ 200°F		.48
@ 400°F		.30
Wear Rate, in^3/hp-hr		0.0057
Friction Code	SAE J866	EE
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		150
Maximum Rubbing Speed, ft/min		3500
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

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 **D9704** be thoroughly tested and its suitability for use be determined before final acceptance.