Ferotec Friction, Inc.

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PRODUCT DATA SHEET

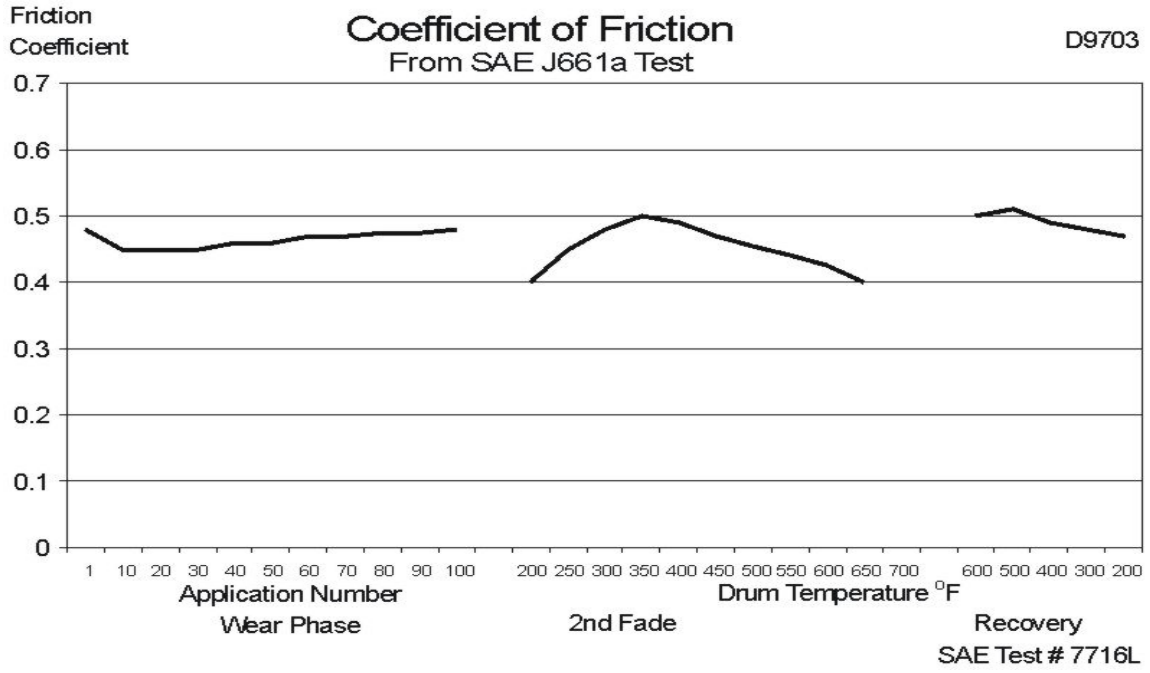
FRICTION MATERIAL COMPOSITE: **D9703**

PRODUCT DESCRIPTION: D9703 is a medium-high to high coefficient, rigid friction composite supplied as segments or formed shapes.

APPLICATION: D9703 possesses excellent fade resistance and friction level stability, making it a good choice for industrial and off-road applications.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max.
Thickness, inches		0.187 to 1.500
Length, inches		36 Max.
Specific Gravity	SAE J380	1.95
Apparent Density, pounds/in^3		0.070
Hardness, Gogan	SAE J379	37 ± 5
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	2600
Modulus x 10^6, psi		1.27
Elongation, %		0.27
Flexural Strength, psi	ASTM D790	6500
Modulus x 10^6, psi		0.95
Compression Strength, psi	ASTM D695	11500
Shear Strength, psi	ASTM D732	4600
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft^2/^{o}F	ASTM D2214	TBD
Specific Heat, Cal/gm/^{o}C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.46
Hot		.46
@ 400°F		.46
Static @ 200°F		.56
@ 400°F		.47
Wear Rate, in^3/hp-hr		0.0064
Friction Code	SAE J866	FF - GG
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

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 **FDL-USA**, it is suggested that **D9703** be thoroughly tested and its suitability for use be determined before final acceptance.