Ferotec Friction, Inc.

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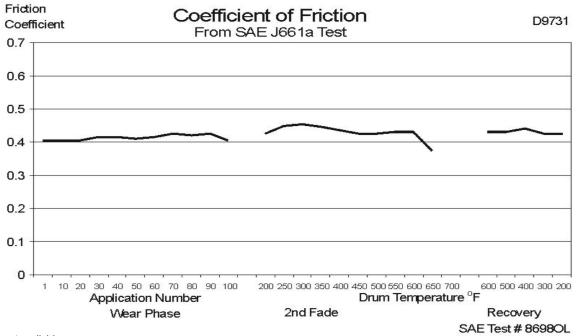
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9731**

PRODUCT DESCRIPTION: D9731 is a <u>non-metallic</u>, medium-high coefficient, rigid composite supplied in segments or formed shapes.

APPLICATION: D9731 was developed specifically for band brake applications requiring high a cold static, and a stable coefficient at higher operating temperatures. **D9731** has proven itself in the field to require less pedal effort in off-road and earth moving equipment.

PHYSICAL PROPERTIES			
Available Sizes (1)			
Width, inches		28 Max.	
Thickness, inches		0.187 to 0.500	
Length, inches		36 Max.	
Specific Gravity	SAE J380	1.80	
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	3375	
Modulus x 10 ⁶ , psi		0.29	
Elongation, %		0.27	
Flexural Strength, psi	ASTM D790	7600	
Modulus x 10 ⁶ , psi		1.00	
Compression Strength, psi	ASTM D695	17200	
Shear Strength, psi	ASTM D732	5275	
THERMAL PROPERTIES			
Conductivity, BTU-in/hr/ft²/°F	ASTM D2214	2.00	
Specific Heat, Cal/gm/°C	ASTM C351	TBD	

FRICTION PROPERTIES			
Coefficient of Friction (2)	SAE J661		
Normal		.45	
Hot		.42	
@ 400°F		.42	
Static @ 200°F		.61	
@ 400°F		.50	
Wear Rate, in³/hp-hr		.0094	
Friction Code	SAE J866	FF	
Recommended Operating Limits (3)			
Maximum Unit Pressure, psi		250	
Maximum Rubbing Speed, ft/min		5000	
Temperature, ⁰F			
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 **D9731** be thoroughly tested and its suitability for use be determined before final acceptance.