Ferotec Friction, Inc.

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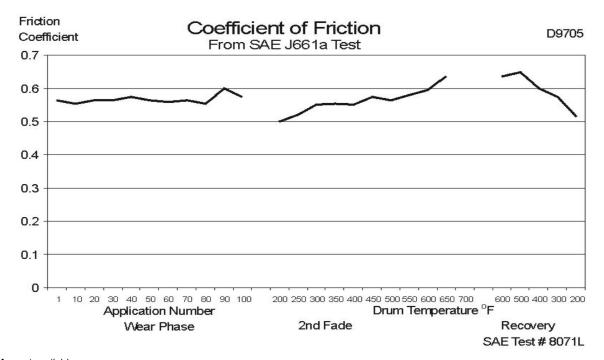
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9705**

PRODUCT DESCRIPTION: D9705 is a high coefficient, rigid molded material supplied in segment form.

APPLICATION: D9705 is recommended for band and shoe applications where very high coefficients are needed. **D9723** is suggested for <u>thick</u> flat slabs or molded-to-shape parts.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max.
Thickness, inches		0.187 to 1.000
Length, inches		36 Max
Specific Gravity	SAE J380	1.75
Apparent Density, pounds/in ³		0.063
Hardness, Gogan	SAE J379	16 ± 3
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	3600
Modulus x 10 ⁶ , psi		1.36
Elongation, %		0.26
Flexural Strength, psi	ASTM D790	6200
Modulus x 10 ⁶ , psi		0.90
Compression Strength, psi	ASTM D695	15900
Shear Strength, psi	ASTM D732	6600
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft²/°F	ASTM D2214	2.06
Specific Heat, Cal/gm/°C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.53
Hot		.58
@ 400°F		.57
Static @ 200°F		.68
@ 400°F		.62
Wear Rate, in³/hp-hr		0.0090
Friction Code	SAE J866	GH
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 resu	lts.	
(3) Recommended operating limits are commensurate wit	h a reasonable amount of w	ear 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 **D9705** be thoroughly tested and its suitability for use be determined before final acceptance.