

# *Ferotec Friction, Inc.*

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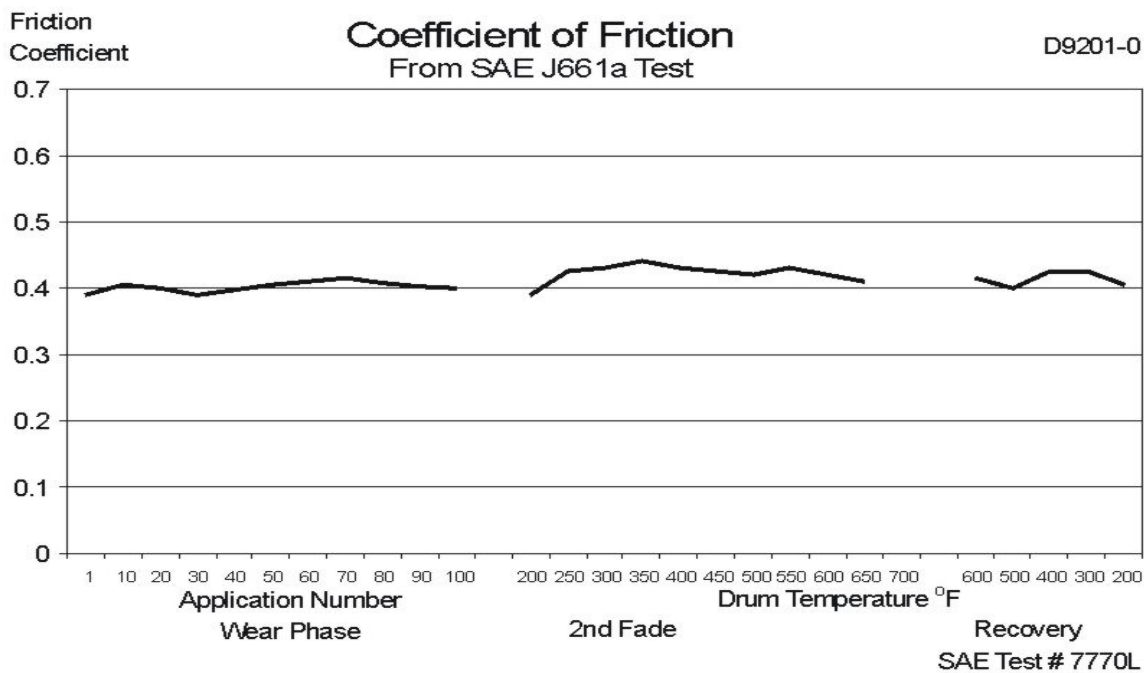
## PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9201-0**

**PRODUCT DESCRIPTION:** D9201-0 is a medium friction, flexible, molded lining supplied in rolls, strips, or segments. It exhibits stable friction and excellent resistance to fade.

**APPLICATION:** D9201-0 is recommended for light to medium duty dry band use and for small diameter shoe applications. It may also find use in clutch applications.

PHYSICAL PROPERTIES			
Available Sizes (1)			
Width, inches		1 to 13	
Thickness, inches		0.062 to 0.500	
Length, inches		46 Max.	
Specific Gravity	SAE J380	2.15	
Apparent Density, pounds/in <sup>3</sup>		.078	
Hardness, Shore D		50 ± 5 (Semi-Cure)	55 ± 5 (Full Cure)
Water Absorption, % after 24 hours		0.22 ± 0.05	
(1) Special sizes available on request			
MECHANICAL PROPERTIES			
		Semi-Cure	Full Cure
Tensile Strength, psi	ASTM D638	370	430
Elongation, %		27.0	4.4
Flexural Strength, psi	ASTM D790	Flexible	Flexible
Compression Strength, psi	ASTM D695	750	850
Shear Strength, psi	ASTM D732	1250	1280
THERMAL PROPERTIES			
Conductivity, BTU-in/hr/ft <sup>2</sup> /°F	ASTM D2214	2.80	
Specific Heat, Cal/gm/°C	ASTM C351	TBD	

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.43
Hot		.41
@ 400°F		.40
Static @ 200°F		.57
@ 400°F		.42
Wear Rate, in <sup>3</sup> /hp-hr		0.0106
Friction Code	SAE J866	FF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		150
Maximum Rubbing Speed, ft/min		3000
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		500
Maximum (Continuous)		450
(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 **D9201-0** be thoroughly tested and its suitability for use be determined before final acceptance.