

Ferotec Friction, Inc.

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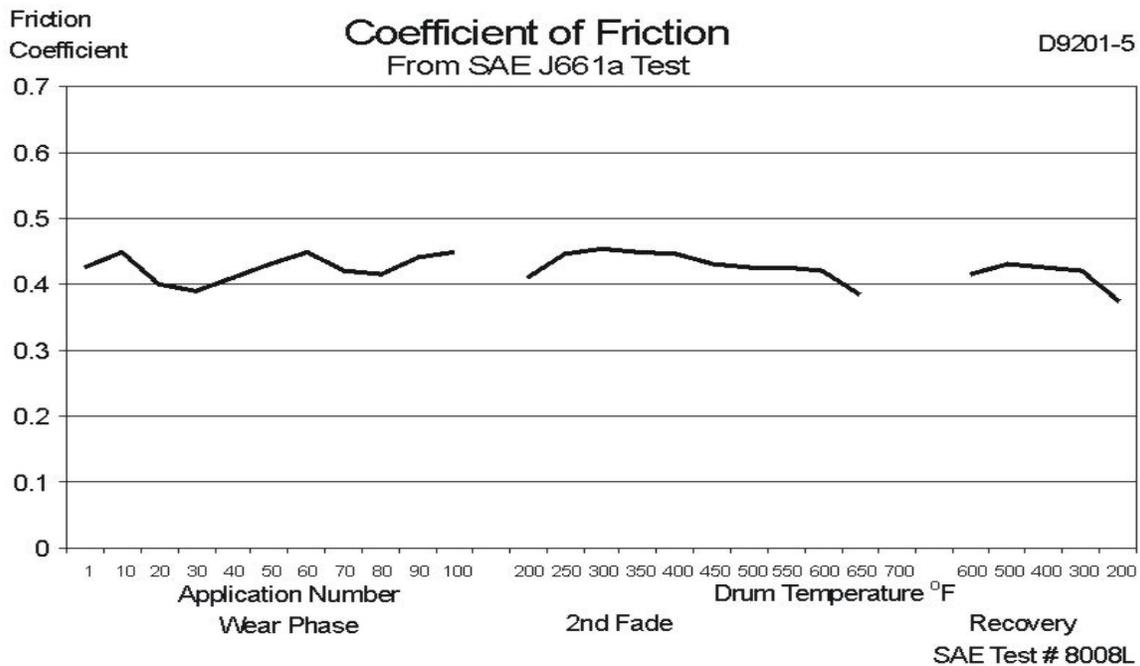
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **D9201-5**

PRODUCT DESCRIPTION: D9201-5 is a medium-high friction, flexible material for brake and clutch lining supplied in rolls, strips, or segments.

APPLICATION: D9201-5 is recommended for light to medium duty applications, including clutch facings. The oil resistant binder used in D9201-5 allows its use in conditions where grease or oil may be present.

PHYSICAL PROPERTIES			
Available Sizes (1)			
Width, inches		1 to 13	
Thickness, inches		0.062 to 0.375	
Length, inches		46 Max.	
Specific Gravity	SAE J380	2.13	
Apparent Density, pounds/in ³		.077	
Hardness, Shore D		60 ± 5 (350°F Cure)	65 ± 5 (400°F Cure)
(1) Special sizes available on request			
MECHANICAL PROPERTIES			
		350°F Cure	400°F Cure
Tensile Strength, psi	ASTM D638	560	800
Elongation, %		5.1	5.0
Flexural Strength, psi	ASTM D790	N/A	N/A
Compression Strength, psi	ASTM D695	600	>1200
Shear Strength, psi	ASTM D732	2000	2500
THERMAL PROPERTIES			
Conductivity, BTU-in/hr/ft ² /°F	ASTM D2214	2.44	
Specific Heat, Cal/gm/°C	ASTM C351	TBD	

FRICTION PROPERTIES			
Coefficient of Friction (2)	SAE J661	350°F Cure	400°F Cure
Normal		.42	.45
Hot		.41	.42
@ 400°F		.41	.43
Static @ 200°F		.53	.56
@ 400°F		.42	.45
Wear Rate, in ³ /hp-hr		0.0067	0.0069
Friction Code	SAE J866	FF	FF - GF
Recommended Operating Limits (3)			
Maximum Unit Pressure, psi			150
Maximum Rubbing Speed, ft/min			3500
Temperature, °F			
Minimum			-10
Maximum (Intermittent)			600
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 **D9201-5** be thoroughly tested and its suitability for use be determined before final acceptance.