

# *Ferotec Friction, Inc.*

150 Shellyland Road Rapho Business Park  
PO Box 387 Mount Joy, PA 17552  
(717) 492-9600 Fax: (717) 492-9601

## PRODUCT DATA SHEET

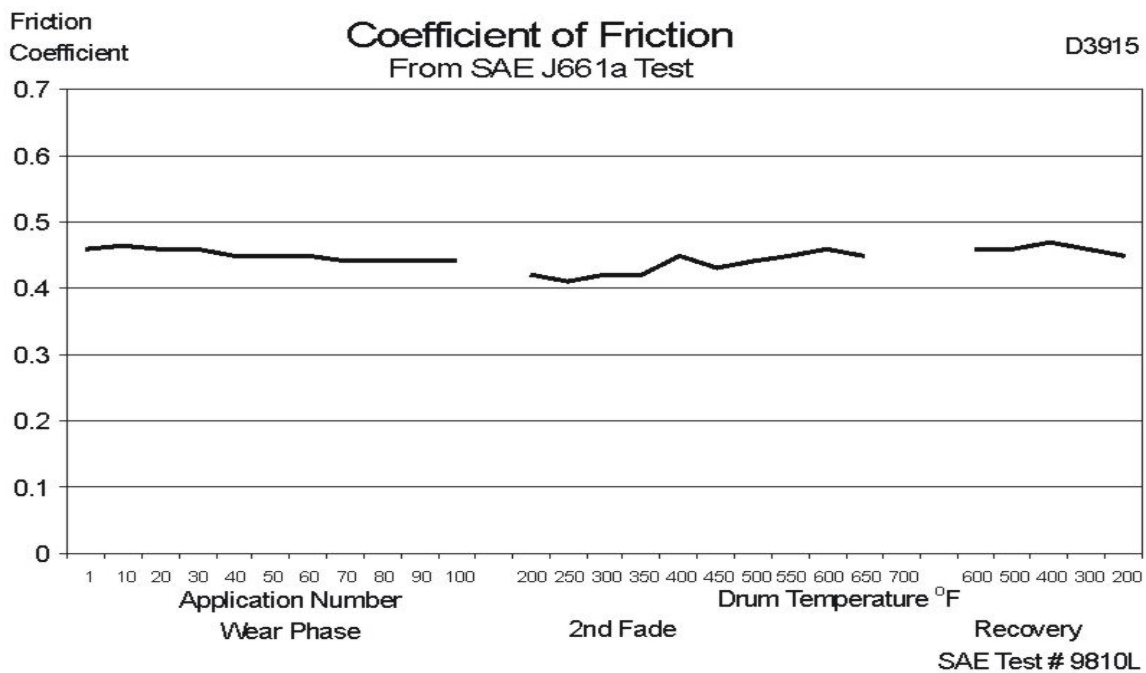
### FRICITION MATERIAL COMPOSITE: **D3917**

**PRODUCT DESCRIPTION:** D3917 is a rigid molded composite available in strips or pieces, exhibiting excellent temperature resistance.

**APPLICATION:** D3917 is suggested for dry use only; it is not recommended for use in situations where oil and grease are encountered. D3917 can be used for riveted applications.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		1 to 13
Thickness, inches		0.125 to 0.500
Length, feet		15
Specific Gravity	SAE J380	1.70
Apparent Density, pounds/in <sup>3</sup>		0.061
Hardness, Shore D	SAE J379	50 ± 5
Water Absorption, % after 24 hrs		2.5
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	700
Elongation, %		8.0
Flexural Strength, psi	ASTM D790	N/A
Compression Strength, psi	ASTM D695	300
Shear Strength, psi	ASTM D732	1350
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft <sup>2</sup> /°F	ASTM D2214	TBD
Specific Heat, Cal/gm/°C	ASTM C351	TBD

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.42
Hot		.45
@ 400°F		.45
Static @ 200°F		.50
@ 400°F		.45
Wear Rate, in <sup>3</sup> /hp-hr		0.0075
Friction Code	SAE J866	FF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		3500
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		480
Maximum (Continuous)		300
(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, Inc.**, it is suggested that **D3915** be thoroughly tested and its suitability for use be determined before final acceptance.