

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

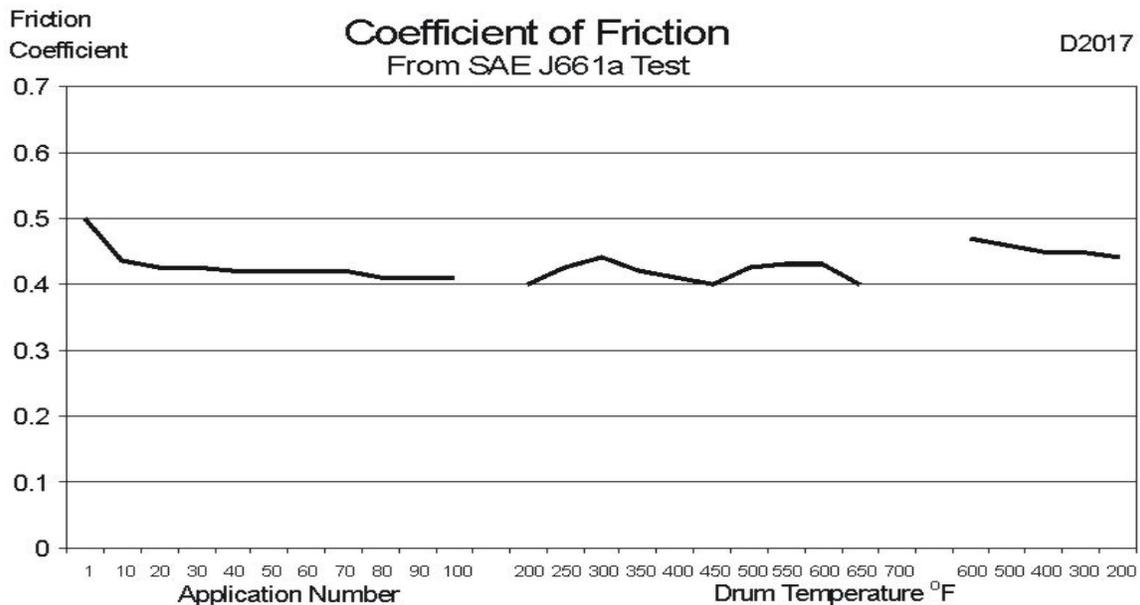
FRICITION MATERIAL COMPOSITE: **D2017**

PRODUCT DESCRIPTION: D2017 is a medium coefficient rigid molded material supplied in segments or flat slabs. D2017 meets the applicable requirements of Commercial Item Description **A-A-50522**.

APPLICATION: D2017 is a general purpose material recommended for use in band or shoe applications. D2017 has **AMECA** approval for on-road use.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		28 Max.
Thickness, inches		0.187 to 1.500
Length, inches		36 Max.
Specific Gravity	SAE J380	2.10
Apparent Density, pounds/in ³		0.067
Hardness, Gogan	SAE J379	23 ± 5
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	2200
Modulus x 10 ⁶ , psi		1.12
Elongation, %		0.43
Flexural Strength, psi	ASTM D790	4000
Modulus x 10 ⁶ , psi		1.54
Compression Strength, psi	ASTM D695	18,500
Shear Strength, psi	ASTM D732	4300
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft ² /°F	ASTM D2214	2.32
Specific Heat, Cal/gm/°C	ASTM C351	TBD
FRICITION PROPERTIES		

Coefficient of Friction (2)	SAE J661	
Normal		.42
Hot		.42
@ 400°F		.42
Static @ 200°F		.50
@ 400°F		.47
Wear Rate, in ³ /hp-hr		0.0040
Friction Code	SAE J866	FF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		300
Maximum Rubbing Speed, ft/min		5000
Temperature, °F		
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

SAE Test # 7686L

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 **D2017** be thoroughly tested and its suitability for use be determined before final acceptance.