

Ferotec Friction, Inc.

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PRODUCT DATA SHEET

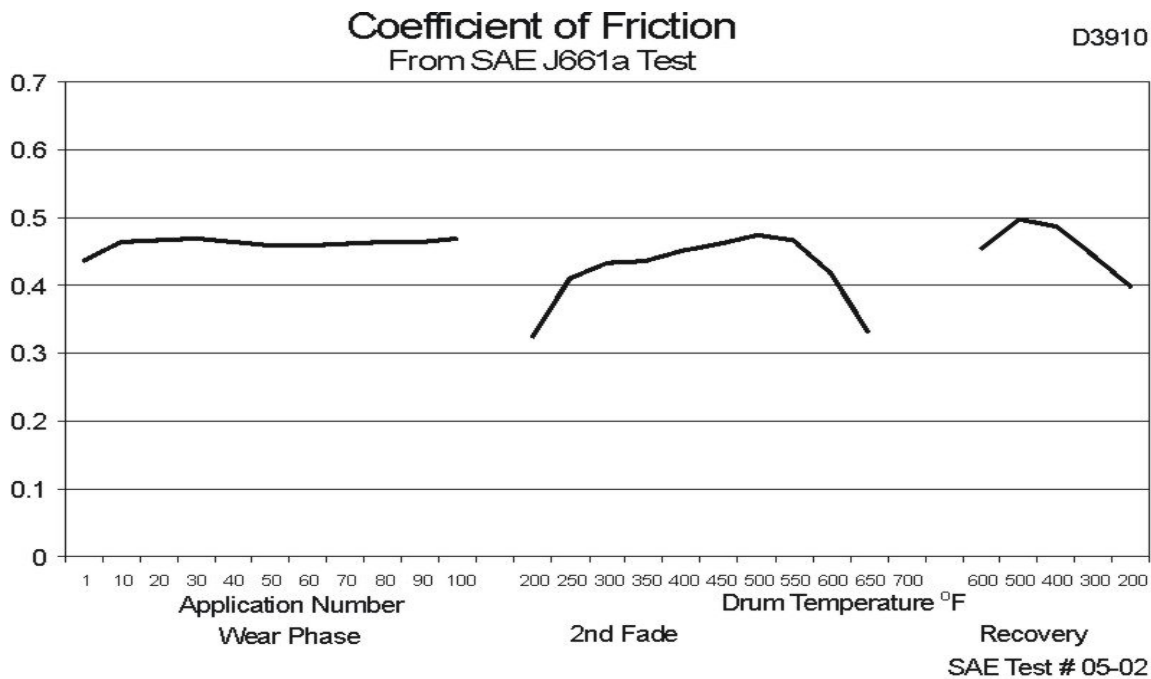
FRICITION MATERIAL COMPOSITE: **D3910**

PRODUCT DESCRIPTION: D3910 is a high strength, medium coefficient, rigid molded, non metallic material. It exhibits excellent low wear characteristics.

APPLICATION: D3910 is suitable for all types of gear-cut configurations in medium to heavy duty environments. It can also function as an excellent material for many types of industrial machine clutches, marine gearboxes and miscellaneous industrial devices.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		15 Max.
Thickness, inches		0.060 to 1.375
Length, inches		24 Max.
Specific Gravity	SAE J380	2.00
Apparent Density, pounds/in ³		.072
Hardness, Shore D	SAE J379	75
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	3500
Flexural Strength, psi	ASTM D790	TBD
Compression Strength, psi	ASTM D695	16000
Shear Strength, psi		4000
THERMAL PROPERTIES		
Conductivity, W/m °C	ASTM D2214	2.22

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.40
Hot		.45
@ 400°F		.47
Static @ 200°F		TBD
@ 400°F		TBD
Wear Rate, in ³ /hp-hr		0.0021
Friction Code	SAE J866	FF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		250
Maximum Rubbing Speed, ft/min		4900
Temperature, °F		
Minimum		-40
Maximum (Intermittent)		450
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 **D3910** be thoroughly tested and its suitability for use be determined before final acceptance.