

Ferotec Friction, Inc.

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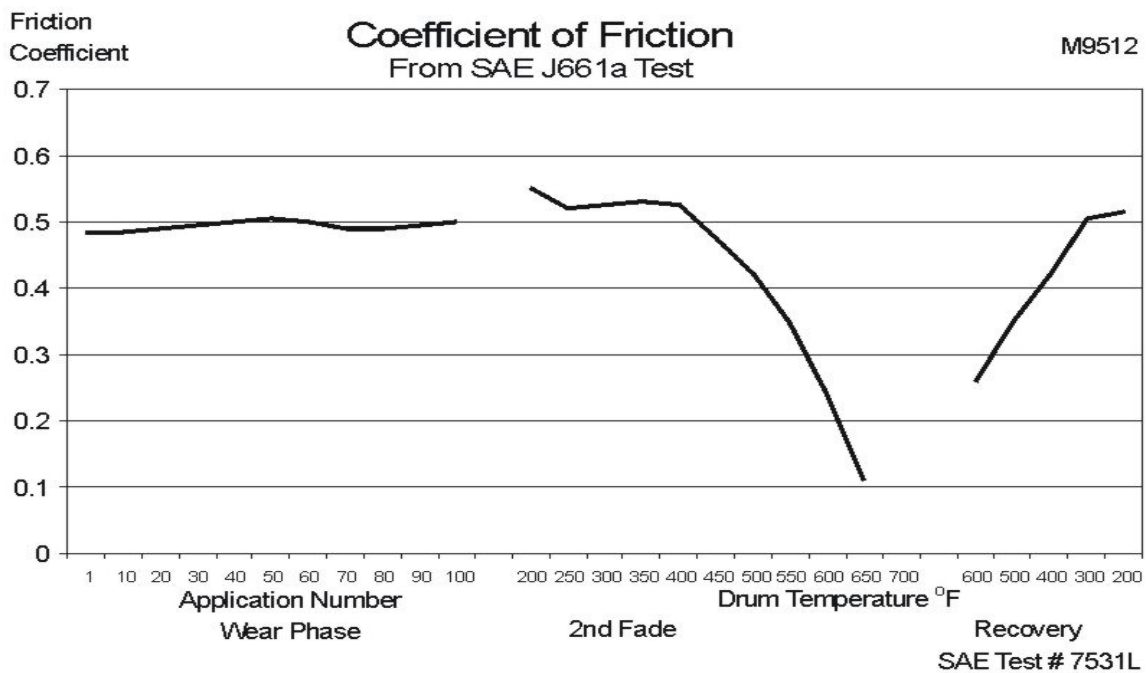
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **M9512**

PRODUCT DESCRIPTION: M9512 is a wet processed sheet supplied 0.030" or 0.060" thick.

APPLICATION: M9512 is offered for use as lining shim stock. Moderate heat resistance and good strength indicate M9512 may be used in light to medium duty friction applications within its temperature limitations. The oil and gasoline resistance of the nitrile rubber binder of M9512 also allows its use in gasket applications.

PHYSICAL PROPERTIES			
Available Sizes (1)			
Width, inches		7	
Thickness, inches		0.030 and 0.060	
Length, feet		100	
Weight/Square foot, pounds		0.21 (0.030 thk)	0.041 (0.060 thk)
Apparent Density, pounds/in ³		.072	
Hardness, Shore D	SAE J379	50 ± 3	
(1) Other widths to 36" and custom lengths available on special order.			
MECHANICAL PROPERTIES			
		Parallel	Transverse
Tensile Strength, psi	ASTM D638	1400	550
		1100	700
Shear Strength, psi	ASTM D732	2700	

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.54
Hot		.40
@ 400°F		.50
Static @ 200°F		.60
@ 400°F		.53
Wear Rate, in ³ /hp-hr		0.0172
Friction Code	SAE J866	GF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		100
Maximum Rubbing Speed, ft/min		3000
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		400
Maximum (Continuous)		350
(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 **M9512** be thoroughly tested and its suitability for use be determined before final acceptance.