

# *Ferotec Friction, Inc.*

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## PRODUCT DATA SHEET

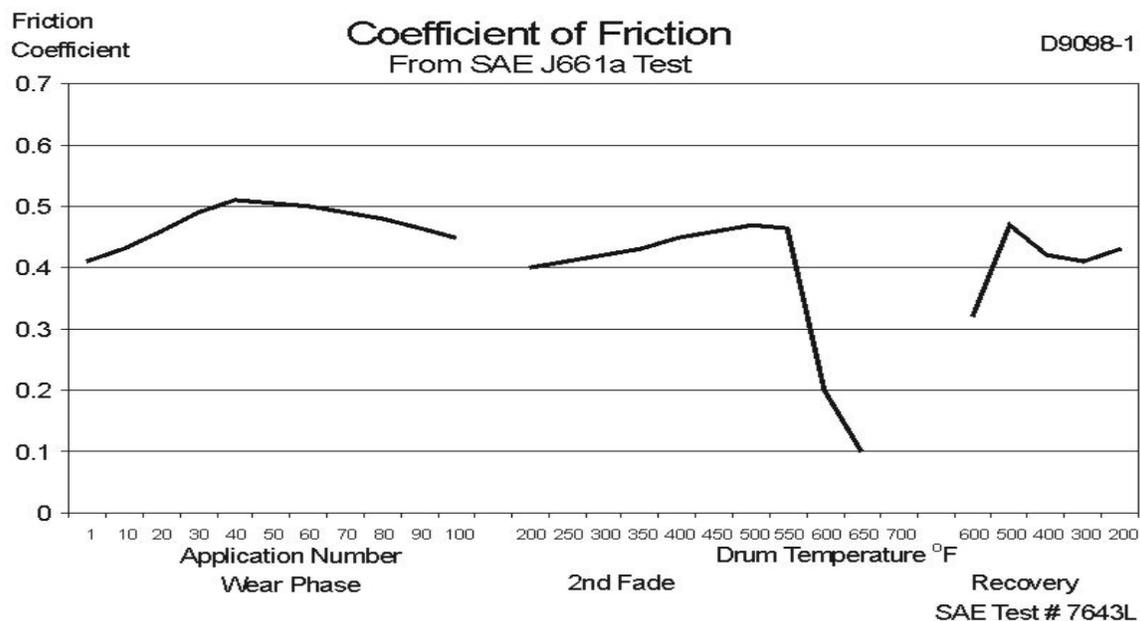
### FRICITION MATERIAL COMPOSITE: **D9098-1**

**PRODUCT DESCRIPTION:** D9098-1 is a very flexible woven lining containing brass wire, providing a high coefficient. Its good flexibility allows it to conform easily to small diameters.

**APPLICATION:** D9098-1 is recommended for light duty service in brake applications. D9098-1 may be coned to a radius 10X the lining width for use in cone clutch service.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		1 to 4
Thickness, inches		0.125 to 0.312
Length, feet		25
Specific Gravity	SAE J380	1.20
Apparent Density, pounds/in <sup>3</sup>		0.043
(1) Special sizes available on request.		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	3000
Elongation, %		≈ 10.0
Flexural Strength, psi	ASTM D790	Flexible
Compression Strength, psi	ASTM D695	300
Shear Strength, psi	ASTM D732	NA
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 (3)	SAE J661	
Normal		.44
Hot		.36
@ 400°F		.47
Static @ 200°F		.49
@ 400°F		.41
Wear Rate, in <sup>3</sup> /hp-hr		0.0157
Friction Code	SAE J866	FF
Recommended Operating Limits (4)		
Maximum Unit Pressure, psi		100
Maximum Rubbing Speed, ft/min		2000
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		500
Maximum (Continuous)		400
(3) Data derived from SAE J661a dynamometer test results.		
(4) 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 **D9098-1** be thoroughly tested and its suitability for use be determined before final acceptance.