

**FRICTION LINING PROPERTIES AND APPLICATIONS**
**KFM FRICTION MATERIALS**
**All friction materials produced by Knott Friction Materials are "Asbestos Free"**

KFM P/N	SAE J-661 Chase			Shore Harness	Density g/cm <sup>3</sup>	Description	Application
	Friction Coefficient		Wear (in.)				
	Normal	Hot					
899190	.337E	.393F	0.007	D85	1.8	Moderate friction, rigid material available in molded shapes. Very good wear rate.	Moderate to heavy duty brake applications.
899200	.552H	.503G	0.027	D62	1.9	Ultra high friction, rigid material available in molded shapes. Moderate wear rate.	Heavy duty parking brake applications.
899220	.419F	.372F	0.010	D85	1.5	High friction, rigid material available as moded shapes. Very good wear rate.	Medium to heavy duty brake applications. Also cost effective for light duty applications.
899230	.462G	.458G	0.044	D70	1.5	Very high friction, flexible material. Moderate wear rate	Medium brake applications. Cost effective for light duty.
899240	.469G	.471G	0.039	D64	1.7	Very high friction, flexible material. Moderate wear rate.	Medium to heavy duty parking brake applications. Cost effective for light duty.
899250	.444F	.426F	0.016	D65	1.7	High friction, flexible material supplied in various fabricated shapes and sheets. Good wear rate.	Medium to heavy duty brake applications. Very versatile friction material.
899260	.436F	.402F	0.005	D80	1.8	High friction, Very good wear rate.	Medium to heavy duty brake pads. Various sizes and shapes.
899280	.336E	.293E	0.012	D85	1.5	Moderate friction, rigid material available as molded shapes. Bonded or riveted assemblies. Very good wear rate.	Medium to heavy duty brake applications. Has been used with good results for wet applications.

**NOTE:** The frictional and wear values presented above are base upon the SAE J-661 testing of these friction materials and is intended for informational purposes only. Due to the wide variety of industrial applications and uses, this information is not to be used as the sole criteria in the selection of friction material. Use of these friction materials should be base upon customer testing. Please contact Knott Brake Company for additional information or assistance with your application.

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	Friction Coefficient		Wear (in.)				
	Normal	Hot					
899300	.465G	.419F	0.018	D85	1.5	High Friction, rigid, non-asbestos material available as molded or machined shapes and bonded or riveted assemblies.	Medium to heavy duty applications requiring extra high friction coefficient.
899310	.435F	.419F	0.011	D54	1.5	High friction material. Very good wear rate. Molded in various shapes.	Various brake pads. Various brake pad configurations.
899320	.232D	.466F	0.038	D75	2.0	Moderate friction. Moderate wear rate.	Various brake pads. Various brake pads configurations
899340	.425F	.328E	0.007	D65	1.7	High Friction, heavy duty, flexible material supplied in various fabricated shapes and sheets. Very good wear rate.	Medium to heavy duty brake applications. Cost effective for light duty applications.
899370	.225D	.282D	0.002	D76	1.6	A very hard rigid material. A very thin material.	Small friction type rings.
899400	.401F	.386F	0.010	D75	1.5	High friction rigid material. Available in molded shapes. Very good wear rate.	Medium to heavy duty brake applications. Cost effective for light duty applications
899410	0.537G	.582H	0.058	D89/91	2.0	Very high friction	Heavy duty brake pads.
899430 <b>NEW!!!</b>	0.395			D64	1.7	Is a High friction NAO flexible material. Available as linings	Medium to Heavy duty parking brake applications. Also, cost effective of light duty applications.

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**FRICION LINING PROPERTIES AND APPLICATIONS**

**FRIMA FRICTION MATERIALS**

All friction materials produced by **Knott & Frima Friction** are "Asbestos Free"

FRIMA No.	SAE J-661 Chase			Shore Hardness	Density g/cm <sup>3</sup>	Description	Application
	Friction Coefficient		Wear (in.)				
	Normal	Hot					
F-1109	.534G	.495G	0.021	D59.0	2.2	Very high friction, flexible material. Low fade. Moderate wear rate.	Medium to heavy duty parking brakes applications. Also, cost effective for light duty applications.
F-3014	.476 G	.482 G	0.014	D77.0	2.1	Asbestos Free friction material, Rubber-resin matrix, reinforced with organic, inorganic fibers and with metal components	Medium to heavy duty brakes Drum brakes for commercial vehicles
F-3049	.445F	.426F	0.014	D74.3	2.0	Asbestos Free friction material Rubber-resin matrix, reinforced with metal fibers	Medium to heavy duty brakes Drum brakes for commercial vehicles and trailer. Industrial applications.

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