

Ferotec Friction, Inc.

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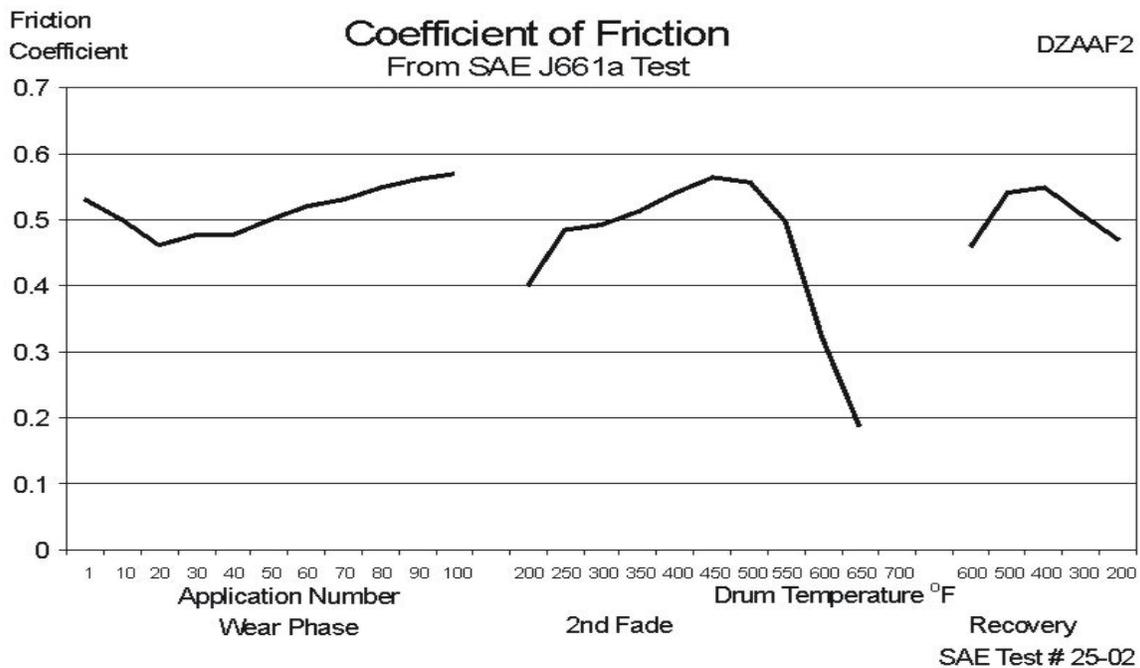
PRODUCT DATA SHEET FRICTION MATERIAL COMPOSITE: **DZAAF2**

PRODUCT DESCRIPTION: **DAZZF2** is a composite woven from finely carded yarns containing copper wire. **DZAAF2** has a high coefficient of friction, a good degree of flexibility, and performs well in wet and damp environments which make it particularly suited for marine applications.

APPLICATION: Applications include industrial drum and band-brakes, industrial clutches, and marine mooring and towing winches. To help fitting to shoes and bands, it may be softened and made more flexible by warming at temperatures 300° - 350°F until pliable. **DZAAF2** may be bonded using any of the industry acceptable adhesives, but for best results a thermosetting adhesive is suggested. Good quality, fine grained pearlitic cast iron and cold rolled steel drums with a Brinell hardness of 180 are suggested for best performance.

PHYSICAL PROPERTIES		
Available Sizes (1)		
Width, inches		13
Thickness, inches		3/16 to 1/2
Length, feet		25
Specific Gravity	SAE J380	1.15
Apparent Density, pounds/in ³		0.041
Hardness, Gogan	SAE J379	NA
(1) Special sizes available on request		
MECHANICAL PROPERTIES		
Tensile Strength, psi	ASTM D638	6500
Flexural Strength, psi	ASTM D790	Flexible
Compression Strength, psi for 5% deflection	ASTM D695	1250
Shear Strength, psi	ASTM D732	2300
THERMAL PROPERTIES		
Conductivity, BTU-in/hr/ft ² /°F	ASTM D2214	NA
Specific Heat, Cal/gm/°C	ASTM C351	NA

FRICTION PROPERTIES		
Coefficient of Friction (2)	SAE J661	
Normal		.49
Hot		.43
@ 400°F		.52
Static @ 200°F		.51
@ 400°F		.52
Wear Rate, in ³ /hp-hr		0.0102
Friction Code	SAE J866	GF
Recommended Operating Limits (3)		
Maximum Unit Pressure, psi		125
Maximum Rubbing Speed, ft/min		5000
Temperature, °F		
Minimum		-10
Maximum (Intermittent)		450
Maximum (Continuous)		400
(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 **DZAAF2** be thoroughly tested and its suitability for use be determined before final acceptance.