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Toll Free: (800) 547-6180 • **FAX**: (541) 344-0104 • www.stillchampion.com

BRAKE and CLUTCH COMPOSITE: AFT132

PRODUCT DESCRIPTION and APPLICATION: **AFT132** is a non-asbestos, medium coefficient, general purpose friction composite, supplied in flat or arced slabs, segments, integrally molded parts, and other special shapes including clutch facings. AFT132 high fiberglass content lends itself to concave diameters and specialty applications.

PHYSICAL PROPERTIES -		
Specific Gravity, typical	1.963	SAE – J380
Apparent Density, pounds / in^2	0.077	
Maximum Available Size -		
Width	38”	
Thickness, Maximum / Minimum	1.5”	
Length	38”	

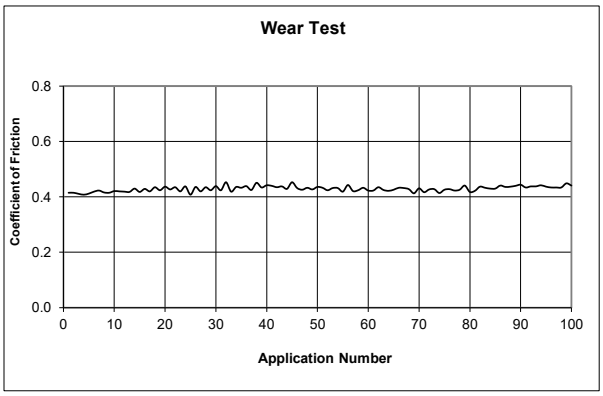
MECHANICAL and THERMAL PROPERTIES -		
Tensile Strength, psi	2295	ASTM – D638
Modulus x 10^6	2.42	
Elongation, %	0.125	
Flexural Strength, psi	5450	ASTM – D790
Modulus x 10^6	0.97	
Compression Strength, psi	21,227	ASTM – D695
Direct Shear Strength, psi	4325	ASTM – D732
Thermal Conductivity, BTU-in/hr/ft^2/°F	To be determined	

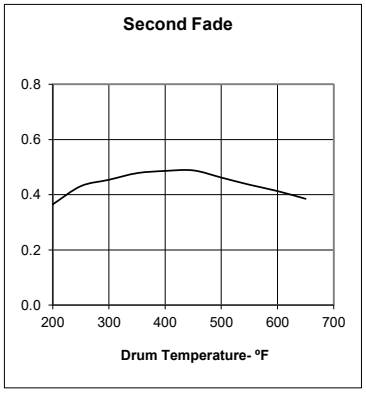
FRICTION PROPERTIES -		
Coefficient of Friction -		SAE J661
Normal	0.43	
Hot	0.42	
Typical @ 400°F.	0.43	
Wear Rate, in^3/hp-hr	0.0059	
Friction Code	**FF**	SAE J866
Suggested Operating Limits - **		
Maximum Pressure, psi	300	
Maximum Surface Speed, ft/min	5000	
Temperature, °F.		
Maximum, Intermittent	650°	
Maximum, Sustained	550°	

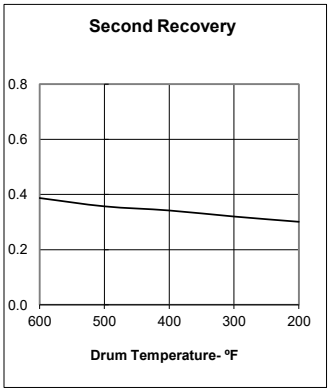
** Suggested operating limits are consistent with uniform performance and acceptable wear rate

Coefficient of Friction

From SAE J661 Test Procedure







The data presented herein was obtained from industry accepted standards. **Champion Friction Technologies** provided the information in good faith but make no representation as to its completeness or accuracy. The information is intended only as a guide, and independent judgement must be exercised in determining suitability of the material for a particular purposes.