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LO-CO FRICTION COMPOSITE: TG2

PRODUCT DESCRIPTION and APPLICATION: **TG2** is a non-asbestos, low coefficient, with high impact resistance “anti” friction composite. Supplied in flat or machine product and other special shapes. Used primarily as a guide block or sliding surface in both wet and dry applications.

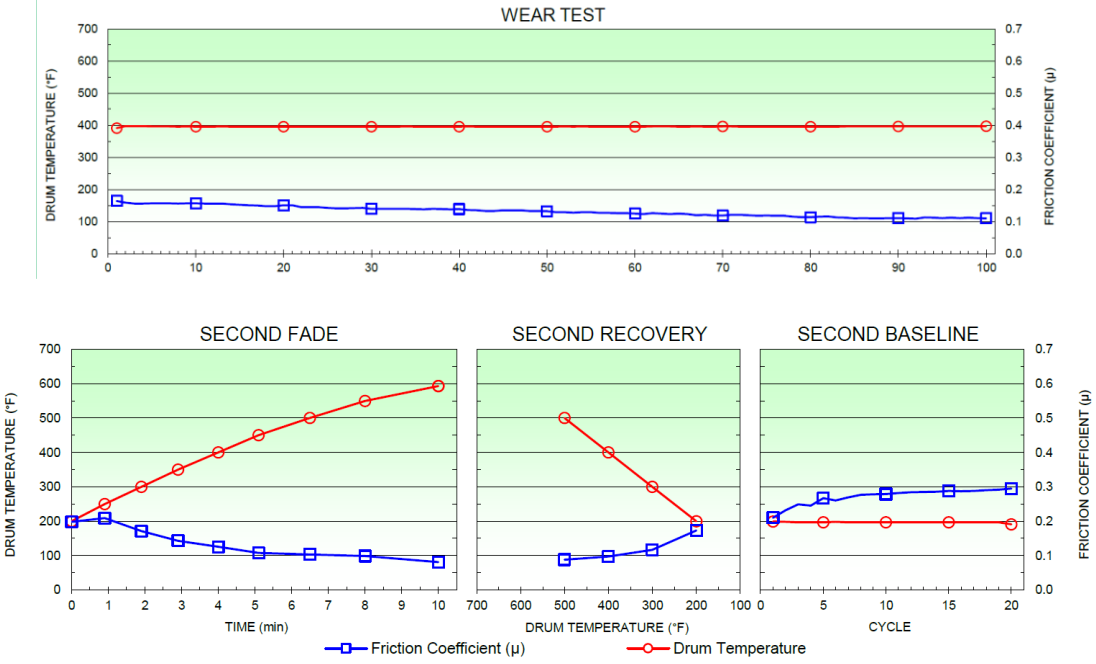
PHYSICAL PROPERTIES -		
Specific Gravity, typical	1.649	SAE – J380
Apparent Density, pounds / in^2	0.078	
Maximum Available Size -		
Width	33”	
Thickness, Maximum / Minimum	.125”-4”	
Length	33”	

MECHANICAL and THERMAL PROPERTIES -		
Tensile Strength, psi	3810	ASTM – D638
Modulus ksi	1630	
Elongation, %	0.32	
Flexural Strength, psi	6570	ASTM – D790
Modulus ksi	1440	
Compression Strength, psi	13400	ASTM – D695
Direct Shear Strength, psi	4370	ASTM – D732
Thermal Conductivity, BTU-in/hr/ft^2/°F	To be determined	

FRICTION PROPERTIES -		
Coefficient of Friction -		SAE J661
Normal	0.177	
Hot	0.111	
Typical @ 400°F.	0.176	
Wear Rate, g/MJ	0.000	
Friction Code	**DC**	SAE J866
Suggested Operating Limits - **		
Maximum Pressure, psi	300	
Maximum Surface Speed, ft/min	5000	
Temperature, °F.		
Maximum, Intermittent	650°	
Maximum, Sustained	500°	

** 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 purpose.