

THERMOFIBER 3010

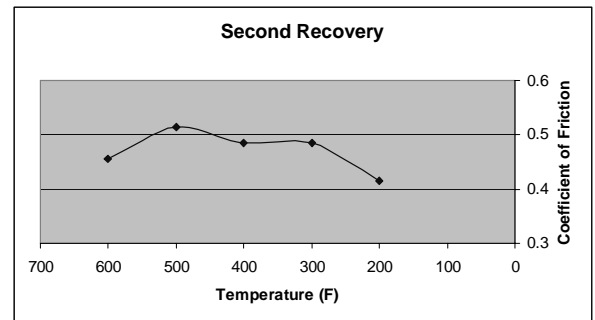
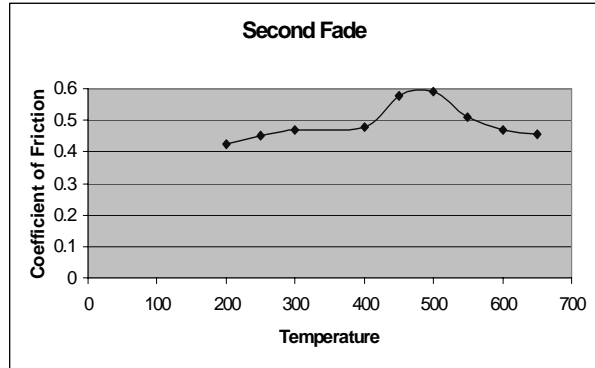
THERMOFIBER 3010 is a multi-layer fabric exhibiting superior strength and durability for extreme applications. In addition to glass and aramid fibers, TF3010 weaves one brass wire for each yarn; this delivers thermal conductivity properties that allow the friction coefficient to increase as the working temperatures get hotter.

THERMOFIBER 3010 works in both wet and dry applications. It is available in flat sheets, radius blocks and for the manufacture of special pieces.

TECHNICAL DATA

COLOR	Yellow-Brown
STRUCTURE	Rigid
COMPOSITION	
Metallic	Yes
Aramid	Yes
MAIN FIBER	Glass
TYPE OF SERVICE	Wet/Dry
COEFFICIENT OF FRICTION¹	0.455 Normal
(μ)	0.502 Hot
WEAR RATE²	Good
SHEAR IMPACT STRENGTH	High+
MECHANICAL RESISTANCE	
Tensile Strength	4400 (ASTM D658-91)
Flexural Strength	14600 (ASTM D790-97)
Compressive Strength	19800 (ASTM D7243-47)
HARDNESS	88
SPECIFIC GRAVITY	1.87-2.10
MAX. RUBBING SPEED³	
MAX. DRUM TEMPERATURE²	750° F
MAX. PRESSURE	150 psi
AVAILABLE FORMS	
Radius Blocks	Yes
Gear Tooth Facings	
Disc Brake Pads	
Clutch Facings & Buttons	
Roll Linings	
Flat Sheets	Yes
Special Molded Pieces	

¹ According to CHASE Test SAE-J661-A, Note: Tested by Link Testing Laboratories-Michigan-USA. ² Values calculated 400 F (204 C), 150 PSI, 20 ft/sec data point is typical of standard operating conditions, not the maximum limits of the compound. Wear rates vary with changes in temperature, pressure, and speed. Parameters- excellent: 0.006/0.008, good: 0.009/0.011 moderate; +0.012-³ Feet/Min constant operation



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