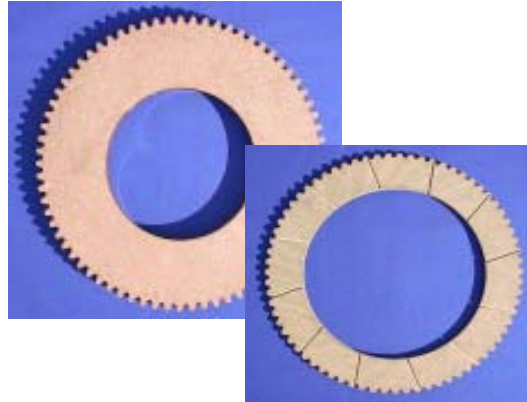


PROTEC FRICTION SUPPLY  
GEAR TOOTH FACINGS

# THERMOFIBER 1800

THERMOFIBER 1800 is a medium friction rigid molded asbestos-free brake lining for industrial brake applications. THERMOFIBER 1800 is recommended for medium and heavy duty applications. It has exceptional thermal stability maintaining its friction level throughout the range of operating temperatures. THERMOFIBER 1800 features a high-fiber, high-tensile material with molded teeth, along with proprietary fiber alignment technology to enhance heat dissipation and polish mating surfaces.



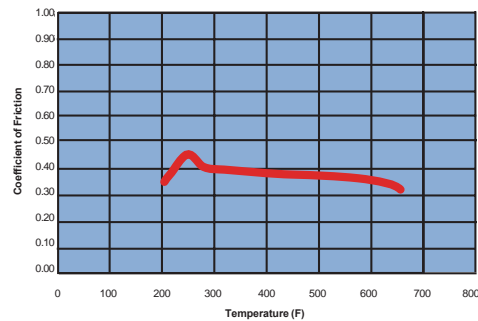
# THERMOFIBER 1800

## TECHNICAL DATA

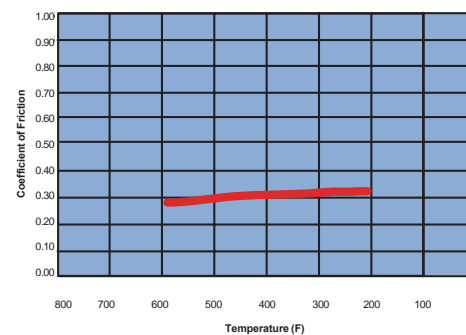
<b>COLOR</b>	Grey-Green
<b>STRUCTURE</b>	Rigid
<b>COMPOSITION</b>	
<b>Metallic</b>	Yes
<b>Aramid</b>	No
<b>MAIN FIBER</b>	Glass/Ceramic
<b>TYPE OF SERVICE</b>	Dry
<b>COEFFICIENT OF FRICTION<sup>1</sup></b>	0.45 Normal
(μ)	0.41 Hot
<b>WEAR RATE<sup>2</sup></b>	Excellent
<b>SHEAR IMPACT STRENGTH</b>	High
<b>MECHANICAL RESISTANCE</b>	
<b>Tensile Strength</b>	2300 (ASTM D638-91)
<b>Burst Strength</b>	
<b>Flexural Strength</b>	14700 (ASTM D790-97)
<b>Compressive Strength</b>	12673 (ASTM D695-91)
<b>HARDNESS</b>	89
<b>SPECIFIC GRAVITY</b>	1.89
<b>MAX. RUBBING SPEED<sup>3</sup></b>	4100 ft/min
<b>MAX. DRUM TEMPERATURE<sup>2</sup></b>	650 F
<b>MAX. PRESSURE</b>	150 psi
<b>AVAILABLE FORMS</b>	
<b>Radius Blocks</b>	
<b>Gear Tooth Facings</b>	Yes
<b>Disc Brake Pads</b>	
<b>Clutch Facings &amp; Buttons</b>	
<b>Roll Linings</b>	

<sup>1</sup>-According to CHASE Test SAE-J661-A, Note: Tested by Link Testing Laboratories-Michigan-USA. <sup>2</sup> 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. <sup>3</sup> Feet/Min constant operation

Second Fade Test



Second Recovery Test



**ProTec**  
STRATEGIC FRICTION

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