

GEAR TOOTH FACINGS

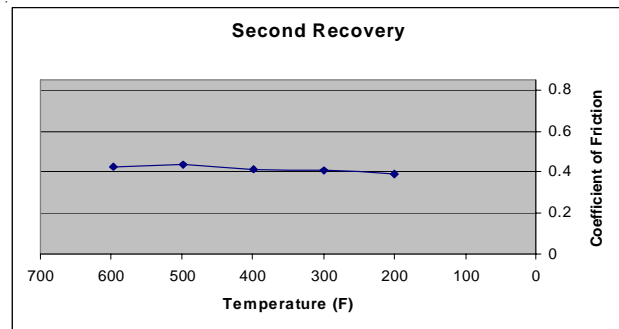
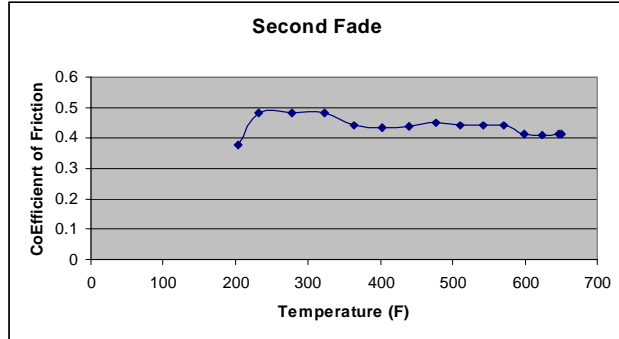
# THERMOFIBER 1850

THERMOFIBER 1850 is a rigid molded friction material containing glass, ceramic, steel fibers and brass chips. Featuring high tensile strength and a low wear rate, TF 1850 is our leading material for Gear Tooth Facings for John Deere and other agricultural machinery. It is also an excellent choice for brake blocks and cranes and winches.

**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-Oil
<b>COEFFICIENT OF FRICTION<sup>1</sup></b>	0.449 Normal
( $\mu$ )	0.459 Hot
<b>WEAR RATE<sup>2</sup></b>	Excellent
<b>SHEAR IMPACT STRENGTH</b>	High +
<b>MECHANICAL RESISTANCE</b>	
<b>Tensile Strength</b>	3397 (ASTM D638-91)
<b>Burst Strength</b>	
<b>Flexural Strength</b>	14,573 (ASTM D790-97)
<b>Compressive Strength</b>	21,634 (ASTM D695-91)
<b>HARDNESS</b>	89
<b>SPECIFIC GRAVITY</b>	2.01
<b>MAX. RUBBING SPEED<sup>3</sup></b>	4100 ft/min
<b>MAX. DRUM TEMPERATURE<sup>2</sup></b>	660 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>	Yes
<b>Roll Linings</b>	
<b>Flat Sheets</b>	
<b>Special Molded Pieces</b>	Yes

<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



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