

PROTEC FRICTION SUPPLY
GEAR TOOTH FACINGS

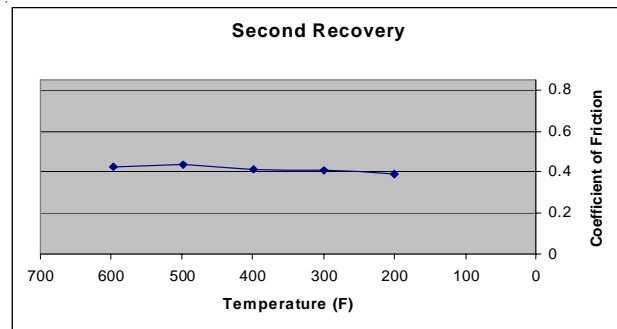
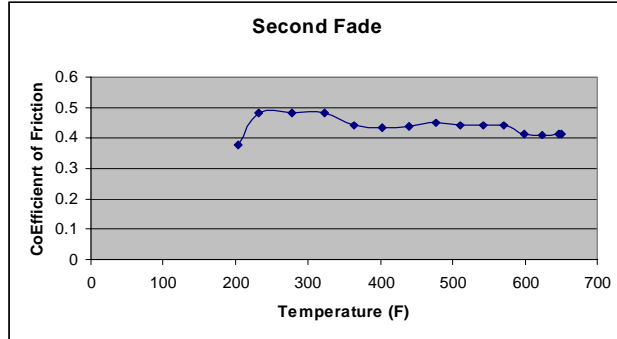
THERMOFIBER 1850

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

COLOR	Grey-Green
STRUCTURE	Rigid
COMPOSITION	
Metallic	Yes
Aramid	No
MAIN FIBER	Glass Ceramic
TYPE OF SERVICE	Dry-Oil
COEFFICIENT OF FRICTION¹	0.449 Normal
(μ)	0.459 Hot
WEAR RATE²	Excellent
SHEAR IMPACT STRENGTH	High +
MECHANICAL RESISTANCE	
Tensile Strength	3397 (ASTM D638-91)
Burst Strength	
Flexural Strength	14,573 (ASTM D790-97)
Compressive Strength	21,634 (ASTM D695-91)
HARDNESS	89
SPECIFIC GRAVITY	2.01
MAX. RUBBING SPEED³	4100 ft/min
MAX. DRUM TEMPERATURE²	660 F
MAX. PRESSURE	150 psi
AVAILABLE FORMS	
Radius Blocks	
Gear Tooth Facings	Yes
Disc Brake Pads	
Clutch Facings & Buttons	Yes
Roll Linings	
Flat Sheets	
Special Molded Pieces	Yes

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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