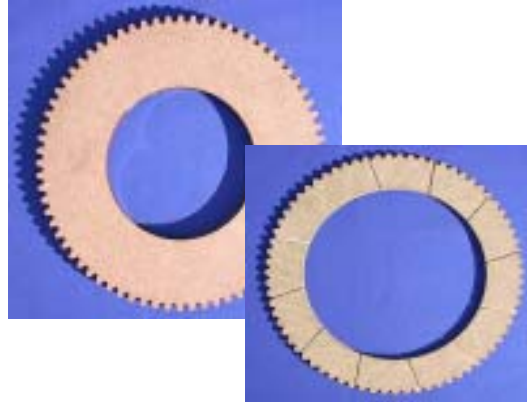


GEAR TOOTH FACINGS

THERMOFIBER 1820

THERMOFIBER 1820 is our latest generation material designed to maximize strength and integrity of Gear Tooth Facings and agricultural torque-limiting devices. Molded with specially developed short cut fibers, TF1820 is capable of withstanding higher shear and tensile forces.

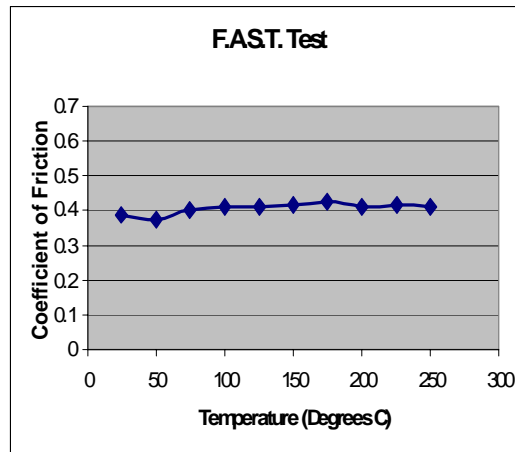
THERMOFIBER 1820 features a high-fiber, high-tensile material with molded teeth, along with proprietary fiber alignment technology to enhance heat dissipation and polish mating surfaces.



THERMOFIBER 1820

TECHNICAL DATA

COLOR	Brown-Red
STRUCTURE	Rigid
COMPOSITION	
Metallic	Yes
Aramid	No
MAIN FIBER	Glass
TYPE OF SERVICE	Dry
COEFFICIENT OF FRICTION¹	0.40 Normal
(μ)	0.400 Hot
WEAR RATE²	Excellent
SHEAR IMPACT STRENGTH	Excellent
MECHANICAL RESISTANCE	
Tensile Strength	23.07 (ASTM D638-91)
Burst Strength	>14500 RPM
Flexural Strength	14600 (ASTM D790-97)
Compressive Strength	19800 (ASTM D695-91)
53205)	130.25 N/MM ² (UNE 10%
HARDNESS	89
SPECIFIC GRAVITY	1.85 - 1.95
MAX. RUBBING SPEED³	7500 ft/min
MAX. DRUM TEMPERATURE²	662 F
MAX. PRESSURE	180 psi
AVAILABLE FORMS	
Radius Blocks	
Gear Tooth Facings	Yes
Disc Brake Pads	
Clutch Facings & Buttons	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



45 Kensico Drive, Mt. Kisco, NY 10549
1.877.349.0005 F (914) 244-3615