

KCF OPEN MESH BELTING

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KCF belting products are PTFE coated KEVLAR, a high-temperature aramid fiber that offers an extremely high strength-to-weight ratio. KCF is an excellent fabric for use in high moisture environments, for applications subjected to severe flexing, or when added durability is required.

Typical Properties

Product Number	800	1000	1590
Standard Width (in.)	75	162	175
Weight Nominal (oz./yd.2)	12.0	19.0	7.0
Thickness Nominal (in.)	0.034	0.062	0.030
Breaking Strength,Warp (lbs./in.)	400	450	350
Breaking Strength, Fill (lbs./in.)	400	500	500
Porosity (SCFM/Ft.2)	1100	1360	1600
Elongation at 40 lbs./in. (%)	<1	<1	<1
Weave Style	Leno	Leno	Leno

Dimensional Stability—The Kevlar® base of KCF keeps stretch or shrinkage to less than 1% under normal operating tensions (10 to 5 lbs per inch of width) and temperatures (up to 500°F). KCF belting has excellent resistance to flex fatigue.

Release Properties—The release properties of KCF exceed those of any other available belting material. KCF is unique because of its low coefficient of friction.

Chemically Resistant—The PTFE coating encapsulates the KEVLAR belting carcass and enhances its useful service life.

Light Weight—The inherent strength of the Kevlar filament provides durable belting at a fraction of the weight of other materials. Less power is required to move KCF belting ... and your product.

High Strength—Kevlar, the filament base of the belting carcass, is stronger than steel on a pound-for-pound basis.

Flex Fatigue Resistant—The unequaled strength of KCF, combined with its excellent flex fatigue properties, means KCF belting can be used on small pulley diameters for a long in-use life span.

High Thermal Capability—At temperatures of up to 500°F, KCF belting continues to maintain its high performance profile.

Low Thermal Mass—KCF belting (including the seam areas) quickly dissipates heat with low heat sink properties.

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