

SPECIALTY FIBERS

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MONAHAN FILAMENT PROPERTIES



- Products for specialty applications
- Engineered for enhanced product performance
- Heat, Flame and UV stabilized products
- Static and microbe control additives
- Custom color matches
- Enhanced recovery features

SPECIALTY

Special fibers have been developed in concert with our customers and our highly technical and experienced Product Development team. Our consistent emphasis on product development has allowed us to create a number of products that push the envelope in terms of product performance and typical applications.

Wide ranges of products are available for many specialty applications and conditions. If you have a unique application and need a special product, our development teams stand ready for the challenge.

PROSTRAN® WP-40 is designed to provide extended service life when used in hot, wet applications such as steel mill brushes and other similar applications. Along with extended service life in hot, wet applications, WP-40 has the same excellent properties as PROSTRAN®.

WYTEX® CONDUCTIVE NYLON offers superior performance in static control or conductive brushes. The conductivity is unaffected by humidity and is unaffected by solvents (except strong acids). It is suitable for uses up to 230°F, and will not crack or flake off during flexing. (Abraded particles may cause shorts in microcircuits.) Electrical resistance is about 20,000 ohms per inch per fiber, depending on diameter. We offer conductive nylon in 0.010, 0.016 and 0.020 inch diameters. WYTEX® Conductive Nylon is also available as a 20% mixture with 80% regular nylon for improved economy.

WYTEX® 6.6 H is our heat stabilized nylon fiber. This material was developed for use in applications that call for exposure to heat in excess of 250°F. It does not have the long term heat stability of PLYER® H, and is recommended only for applications that require the higher melting temperature of nylon 6.6. Sampling for individual applications is recommended. See also PLYER® H.

WYTEX® 6 FR is our fire retardant nylon fiber for use in critical applications such as coal mines, aircraft, or industrial applications. Products can be developed to meet various requirements.

WYTEX® UV Excellent weatherability is this nylon's hallmark. It offers increased product life when exposure to sun or other sources of UV radiation is a factor. Available only in black, in WYTEX® 6, 6.6 and 6.12.

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PLYER® FR is our fire retardant polyester fiber for use in critical applications such as fire doors, aircraft, mines, etc. Our test shows PLYER® FR to be immediately and completely self extinguishing. Products can be developed to meet various requirements.

PLYER® H is a special heat resistant fiber. Our test show that at 325°F nylon 6.12 will become weak and brittle in two hours, but PLYER® H will retain most of its tensile strength and elasticity for several hundred hours.

PPS is a high-tech filament for extreme applications and demands, including food service, oven brushes, hot oil vats, high temperature seals, industrial applications, and bakery brushes.