

Technical Data Sheet

POLYESTER FIBERS Ultra Low Shrink, High Tenacity

General Description: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polymer composed of at least 85% by weight of an ester of a substituted aromatic carboxylic acid, including, but not restricted to, substituted terephthalate units and parasubstituted hydroxybenzoate units.

Standard Filament Sizes: 6.0 denier per filament (dpf)

Standard Cut Lengths: 1/16", 1/8", 1/4", 1/2", 3/4", and 1"
(2mm, 3mm, 6mm, 12mm, 19mm, and 25mm)
Other lengths available upon request.

Shrinkage, Hot Air, 177°C, 1 minute (%): <1%

Breaking Tenacity: 7.9 gpd or greater

Elongation at Break: 18 to 26%

Moisture Content: <3.0%

Moisture Regain: 0.4%

Effect of Heat: Sticks at 440 to 450°F. Softens at 464°F. Melts at 500°F.

Chemical Reactivity: Good resistance to acids. Not resistant to strong alkalis. Good resistance to organic solvents.

Dispersion: Easily dispersed in aqueous and non-aqueous systems. Surface treatment to aid dispersion applied as required.

Packaging: Fiber is packaged in corrugated boxes with polyethylene liners. Custom packaging upon request.