

Technical Data Sheet

POLYESTER FIBERS Low Shrink, High Tenacity Bright

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 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.

Standard Filament Sizes (denier per filament):	3.0	6.0
Shrinkage, % Free, 177°C (%):	4.3-9.7	2.1-3.5
Breaking Tenacity (gpd):	8.0	7.8
Elongation at Break (%):	7-13	22.5-29.5

Moisture Content: <3.0%

Moisture Regain: 0.4%

Specific Gravity (g/cm³): 1.38

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 available upon request.