

Technical Data Sheet

POLYESTER FIBERS Regular 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 Cut Lengths: 1/16", 1/8", 1/4", 1/2", 3/4", and 1"
(2mm, 3mm, 6mm, 12mm, 19mm, and 25mm)
Other lengths on request.

Standard Filament Sizes (denier per filament):	3.0	6.0	12.0
Shrinkage, Hot Air, 177°C, 1 minute (%):	3.0-7.1	10.8-15.6	~9.0
Breaking Tenacity (gpd):	6.9-8.7	8.15-10.15	~9.1
Elongation at 10 lbs (%):	3.6-5.4	3.9-5.9	NA
Ultimate Elongation (%):	NA	10-16	~14

Moisture Content: <3.0%

Moisture Regain: 0.4%

Specific Gravity (g/cm³): 1.38

Effect of Heat: 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.