

Technical Data Sheet

POLYESTER FIBERS Undrawn

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: **25.0 denier per filament (dpf)**
(Draws to ~5.0 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, : 20 to 40%

Breaking Tenacity: 0.4 gpd
3.5 to 4.0 gpd after maximum elongation

Elongation at Break: 350 to 400%

Moisture Content: <8.0%

Moisture Regain: 0.28%

Specific Gravity (g/cm³): 1.38

Effect of Heat: Sticks at 160°C. Melts at 260°C.

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.