

Technical Data Sheet

ACRYLIC FIBERS

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 acrylonitrile units.

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

Standard Filament Sizes (denier per filament):	1.5	3.0	15.0
Standard Crimp: (opposite may be available upon request)	Uncrimped	Uncrimped	Crimped
Shrinkage, (%):	<6.0	<8.5%	<6.0%
Breaking Tenacity (gpd):	3.0+	3.15+	2.3+
Elongation at Break (%):	36-46	34-44	36-46

Moisture Content: <6.0%

Moisture Regain: 1.0 to 2.5%

Specific Gravity (g/cm³): 1.17

Effect of Heat: Sticks at 430 to 450°F. Does not melt.

Chemical Reactivity: Good resistance to acids, except nitric. Good resistance to weak alkalis.

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.