

Technical Data Sheet

ACRYLIC FIBERS Flock Lengths

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: 0.5mm and longer
Shorter lengths may be available upon request.

Standard Filament Sizes (denier per filament): 15.0

Shrinkage, Boiling Water (%): <3.0%

Breaking Tenacity (gpd): 1.9+

Elongation at Break (%): 42-58

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.