

MINIFIBERS, INC.

Technical Data Sheet

Acrylic Fibers ACRYLIC FLOCK Product Code Prefix: ACSTD

Definition of Acrylic: 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, and no more than 15% by weight of vinyl acetate.

Standard Cut Lengths: 1mm, 2mm, 3mm and others

Standard Filament Sizes (denier per filament): 15.0

Shrinkage, (%): <6.0

Breaking Tenacity (gpd): ~2.0

Initial Moisture Content (%): <6.0

Average Moisture Regain of Acrylic (%): 1.0 to 2.5

Specific Gravity (g/cm³): 1.17

Effect of Heat: Sticks at 221-232°C/ 430-450°F. Shrinks into a mass at 240°C/ 464°F. Does not melt.

Chemical Reactivity: Good resistance to acids, except nitric. Good resistance to organic solvents and 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.

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