

Technical Data Sheet

NYLON FIBERS Type 6

General Description: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings.

Standard Filament Sizes: 3.0 denier per filament (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, : 7.3 to 12.7%

Breaking Tenacity (gf/d): 4.3 to 5.8 gpd

Elongation at Break: 42 to 55%

Moisture Content: <6.0%

Moisture Regain: 2.8 to 5.0%

Specific Gravity (g/cm³): 1.13 to 1.15

Effect of Heat: Melts at 419 to 430°F. Decomposes at 600 to 730°F. Slight discoloration at 300°F when held for 5 hours.

Chemical Reactivity: Degraded by hot, concentrated acids and 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.