

Technical Data Sheet

NYLON FIBERS Type 6,6 Regular Tenacity

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 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.

Standard Filament Sizes (denier per filament): **1.0** **3.0** **6.0**

Shrinkage, (%): 2.9 to 6.5

Breaking Tenacity (gpd): 2.3 to 6.0

Elongation at Break (%): 25 to 65

Moisture Content: <6.0%

Moisture Regain: 3.5 to 5.0%

Specific Gravity (g/cm³): 1.13 to 1.14

Effect of Heat: Sticks at 445°F. Melts at 480 to 500°F. Yellows slightly 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.