

## Technical Data Sheet

### **NYLON FIBERS Type 6,6 High Tenacity Bright**

**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:** 6.0 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, :** 2.9%

**Breaking Tenacity:** 5.9 to 9.8 gpd

**Elongation at Break:** 15 to 28%

**Moisture Content:** <6.0%

**Moisture Regain:** 3.5 to 5.0%

**Specific Gravity (g/cm<sup>3</sup>):** 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.