

## Technical Data Sheet

### **POLYPROPYLENE FIBERS Binder Fiber**

**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 propylene units.

**Standard Filament Sizes:** 2.0 denier per filament (dpf)

**Standard Cut Lengths:** 5mm  
Other lengths may be available upon request.

**Shrinkage, Hot Air, 140°C:** <5%

**Breaking Tenacity:** 2.5 gpd

**Elongation at Break:** 322%

**Moisture Content:** <35.0%

**Moisture Regain:** <1%

**Specific Gravity (g/cm<sup>3</sup>):** 0.93

**Effect of Heat:** Softens at 290 to 310°F. Melts at 320°F.  
Decomposes at 550°F.

**Chemical Reactivity:** Excellent resistance to 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.