

## Technical Data Sheet

### **POLYETHYLENE FIBERS Biodegradable LLDPE**

**General Description:** A manufactured fiber in which the fiber-forming substance is a substantially linear synthetic polymer composed of at least 85% by weight of ethylene, with a significant number of short branches.

**Standard Filament Sizes:** **5.0 denier per filament (dpf)**  
Larger deniers available upon request.

**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, :** 15 to 18%

**Breaking Tenacity:** 1.08 to 1.32 gpd

**Elongation at Break:** 149 to 175%

**Moisture Content:** <3.0%

**Moisture Regain:** <1%

**Specific Gravity (g/cm<sup>3</sup>):** 0.91 to 0.97

**Effect of Heat:** Melts at 248°C.

**Chemical Reactivity:** Excellent resistance to acids and alkalis. Excellent resistance to bleaches and solvents.

**Dispersion:** Easily dispersed in aqueous and non-aqueous systems.

**Packaging:** Fiber is packaged in corrugated boxes with polyethylene liners. Custom packaging available upon request.