

## Technical Data Sheet

### POLYETHYLENE FIBERS Ultra-High Molecular Weight

**General Description:** An extended chain, high strength, lightweight polyethylene fiber.

**Standard Filament Sizes:** 10.0 denier per filament (dpf)

**Standard Cut Lengths:** 1/8", 1/4", 1/2", 3/4", and 1"  
(3mm, 6mm, 13mm, 19mm, and 25mm)  
Other lengths available upon request.

**Shrinkage, (%):** Data not available.

**Breaking Tenacity (gpd):** 25.5 to 30.5

**Initial Moisture Content (%):** <3.0

**Average Moisture Regain of Polyethylene (%):** <1.0

**Specific Gravity (g/cm<sup>3</sup>):** 0.96

**Effect of Heat:** Melts at 147°C.

**Chemical Reactivity:** High resistance to chemicals, water, and ultraviolet light.

**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.

The above information is provided to describe typical values and does not constitute a product specification.