

Technical Data Sheet

POLYETHYLENE FIBERS
Spectra[®] 900
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, 12mm, 19mm, and 25mm)
Other lengths available upon request.

Shrinkage, : Data not available.

Breaking Tenacity: 25.5 to 30.5 gpd

Elongation at Break: 3.6 to 3.9%

Moisture Content: <3.0%

Moisture Regain: <1%

Specific Gravity (g/cm³): 0.97

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.