# Technical Data Sheet

## POLYETHYLENE FIBERS
Low-Melt LLDPE Undrawn

**Definition of LLDPE:** Linear low density polyethylene is a manufactured fiber in which the fiber-forming substance is a substantially linear synthetic polymer with significant numbers of short branches, composed of at least 85% by weight of ethylene units.

**Standard Filament Sizes:** 6.0 denier per filament (dpf)

**Standard Cut Lengths:** 1/8", 1/4", 1/2", 3/4", and 1" (3.5mm, 6mm, 13mm, 19mm, and 25mm)

Other lengths available upon request.

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

**Breaking Tenacity (gpd):** ~0.6 to 1.3

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

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

**Specific Gravity (g/cm³):** 0.93

**Effect of Heat:** Softens at 94°C / 201°F. Melts at 123°C / 253°F.

**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.

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