

Technical Data Sheet

POLYETHYLENE FIBERS Low-Melt 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: 6.0 denier per filament (dpf)

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, : 12%

Breaking Tenacity: 1.0 gpd

Elongation at Break: >100%

Moisture Content: <3.0%

Moisture Regain: <1%

Effect of Heat: Softens at 80°C. Melts at 110°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.