

MINIFIBERS, INC.

Technical Data Sheet

POLYETHYLENE FIBERS
Low-Melt LLDPE Undrawn
Product Code Prefix: PELPE-060NHL

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"
(3mm, 6mm, 13mm, 19mm, and 26mm)
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 94-96°C / 201-205°F. Melts at 116-123°C / 240-253°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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