

# MINIFIBERS, INC.

## Technical Data Sheet

### POLYETHYLENE YARN Low-Melt LLDPE Multifilament POY

**Definition of Polyethylene:** A manufactured fiber in which the fiber-forming substance is a substantially linear synthetic polymer composed of at least 85% by weight of ethylene units.

**Standard Filament Counts:** 12, 20, 24, 32, 40, 48, 64, 80, 96, 128, 247  
Others may be available upon request.

**Product Codes:**                   **0106**                                   **0109**

**Melting Point:**                   253°F / 123°C                                   265°F / 129°C

**Total Denier:** 80 and up

**Tensile Strength at Yield:** 1700 psi / 11.7 MPa

**Tensile Strength at Break:** 1100 psi / 7.58 MPa

**Elongation at Yield:** 3%

**Elongation at Break:** 60%

**Flexural Modulus:** 56,000 psi / 0.386 GPa

**Specific Gravity (g/cm<sup>3</sup>):** 0.93

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

**Chemical Reactivity:** Excellent resistance to acids and alkalis. Excellent resistance to bleaches and solvents.

**Packaging:** Yarn is packaged on paperboard tubes (bobbins) and placed in a palletized corrugated box.

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