

## **Technical Data Sheet**

### **POLYLACTIC ACID (PLA) FIBERS**

**General Description:** A manufactured fiber in which the fiber-forming substance is composed of at least 85% by weight of lactic acid ester units derived from naturally occurring sugars.

**Standard Filament Sizes:** 1.3 denier per filament (dpf)

**Standard Cut Lengths:** 1/8" (3mm)  
Flock and other lengths available upon request.

**Shrinkage, Hot Air, 130°C (%):** 1.1 to 6.9

**Breaking Tenacity (gpd):** 3.3 to 4.0

**Initial Moisture Content (%):** <20.0

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

**Specific Gravity (g/cm<sup>3</sup>):** 1.25

**Effect of Heat:** Melts at 266 to 338°F. Low flammability and very low smoke generation.

**Effects of Alkalis:** Not resistant to alkalis.

**Resistance to Mildew, Aging, Sunlight:** Degrades quickly in high temperature, high moisture, and high microbial environments. Excellent UV resistance.

**Dispersion:** Easily dispersed in aqueous and non-aqueous systems.

**Packaging:** Fiber is packaged in corrugated boxes with polyethylene liners. Custom packaging available upon request.

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