

# ADMIXUS®

## Technical Data Sheet

### ADMIXUS® HPC

**General Description:** A high strength, lightweight polyethylene filament with one of the highest strength-to-weight ratios of any man-made fiber.

**Standard Filament Sizes:** 2.2 denier per filament (dpf)

**Standard Cut Lengths:** 1/4" and 1/2"  
(6mm and 13mm)  
Other lengths may be available upon request.

**Shrinkage, Boiling Water:** <1.0%

**Tenacity:** 3 GPa

**Elongation:** <4.0%

**Modulus:** 114 GPa

**Initial Moisture Content:** <3.0%

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

**Specific Gravity:** 0.97 g/cm<sup>3</sup>

**Effect of Heat:** Melts at 144-152°C / 290-306°F.  
Decomposes at >300°C / 572°F.

**Other Characteristics:** High resistance to chemicals. Low moisture absorption. High resistance to ultraviolet light. Excellent vibration dampening. Highly resistant to flex fatigue. Low coefficient of friction. Good resistance to abrasion. Low dielectric constant.

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

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