

Technical Data Sheet

POLYPROPYLENE FIBERS

General Description: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polymer composed of at least 85% by weight of propylene units.

Standard Filament Sizes (denier per filament):	0.7	3.0	7.0
			2mm
			3mm
Standard Cut Lengths:	3mm	6mm	6mm
Other lengths available upon request	5mm	12mm	12mm
	10mm		19mm
			25mm
Shrinkage, (%):		1.4	1.4
Breaking Tenacity (gpd):	6.2-6.6	3.0-6.5	3.0-6.5
Elongation at Break (%):	~29	20 to 120	20 to 120
Moisture Content:	<35.0%	<6.0%	<6.0%

Moisture Regain: <1%

Specific Gravity (g/cm³): 0.90 to 0.93

Effect of Heat: Softens at 290 to 310°F. Melts at 320°F. Decomposes at 550°F.

Chemical Reactivity: Excellent resistance to acids and alkalis.

Dispersion: Easily dispersed in aqueous and non-aqueous systems. Surface treatment to aid dispersion applied as required.

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