

## 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.

<b>Standard Filament Sizes (denier per filament):</b>	<b>0.7</b>	<b>3.0</b>	<b>7.0</b>
			2mm
			3mm
<b>Standard Cut Lengths:</b>	3mm		6mm
Other lengths available upon request	5mm	6mm	12mm
	10mm		19mm
			25mm
<b>Shrinkage, (%):</b>		1.4	1.4
<b>Breaking Tenacity (gpd):</b>	6.2-6.6	3.0-6.5	3.0-6.5
<b>Elongation at Break (%):</b>	~29	20 to 120	20 to 120
<b>Moisture Content:</b>	<35.0%	<6.0%	<6.0%
<b>Moisture Regain:</b>	<1%		
<b>Specific Gravity (g/cm<sup>3</sup>):</b>	0.90 to 0.93		
<b>Effect of Heat:</b>	Softens at 290 to 310°F. Melts at 320°F. Decomposes at 550°F.		
<b>Chemical Reactivity:</b>	Excellent resistance to acids and alkalis.		
<b>Dispersion:</b>	Easily dispersed in aqueous and non-aqueous systems. Surface treatment to aid dispersion applied as required.		
<b>Packaging:</b>	Fiber is packaged in corrugated boxes with polyethylene liners. Custom packaging available upon request.		