



ENGINEERED FIBERS TECHNOLOGY, LLC

SHORT-CUT ACRYLIC (PAN) FIBERS FOR SPECIALTY PAPERS AND WET-LAID / AIR-LAID NONWOVENS

- Superior to Polyester, Polypropylene and Cotton In Rapid Liquid Transport Capability.
- Outstanding Resistance to Water, Chemicals, Heat, Micro-Organisms and Ultraviolet Light.
- Lower Specific Gravity Provides Higher Coverage /Pound.
- Applications Include:
 - Water Filtration Media
 - Industrial Wipes
 - Household Absorbent Wipes
 - Dry Wipes
 - Cosmetic Scrub Pads
 - Battery Separators
- Good dispersion for wet-laid papers. Special water dispersable finishes available.
- Fiber is packaged in 150-250 pound cardboard boxes with polyethylene liners. Special packaging, including pulpable bags available.

**TYPICAL PROPERTIES OF SHORT-CUT
ACRYLIC (PAN COPOLYMER) FIBERS**

<i>Property</i>	<i>Units</i>	<i>Typical Values</i>
Denier	g	0.8, 1.5, 3.0, 5.0, 15
Cut Length	mm	0.5 - 25 (Precision Cut)
Crimps / cm	---	0 (Except 15 denier, crimped)
Specific Gravity	-----	1.17
Tensile Strength	KSI	30-50
Tenacity	g/den	2.5-3.2
Modulus	MSI	0.70- 0.85
Elongation at Break	%	25-40
Moisture Regain (23° C, 65 % RH)	%	1.0-1.5
Shrinkage at 180° C	%	10 -15
Sticking Temperature	°C	220-230
Melting Temperature	°C	Does Not Melt
Resistance to Mildew, Aging, Sunlight	---	Excellent
Effects of Acids and Alkalis	---	Degrades in strong alkalis