MUNIFIBERS, INC. Short Cut Fiber Facts

Of interest to the short cut fiber user are a number of fiber facts, some developed in MiniFIBERS' laboratory, others as old as fiber itself. These may be worthy of perusal:

- Wet lay fibers, for best performance, should have a length of about 500 to 1,000 times their diameter.
- Dry lay fibers can vary greatly above the 1,000 to 1 ratio without affecting their performance.
- Dry lay fibers are usually crimped.
- Wet lay fibers are usually uncrimped.
- Fully drawn or stretched fibers will shrink when dried under heat in a web.
- The amount of shrinkage can be lessened by heat-setting the fiber before usage and letting it shrink at that time.
- Lower denier fibers give more coverage than higher denier.
- Higher denier fibers give an openness to a web, making it pass more fluid or air as in a filter.
- Undrawn hot-melt fibers can be used as binders.
- Crimped fibers give more bulk and better hand than uncrimped fibers.
- Excess heat on short fibers in a furnish will cause "boomerangs," or curved fibers, formation problems, and cockled web.
- Long fibers will cause "dumbbells," or double blisters, or scabs on webs as they pass through calendar rolls.
- The pH factor of furnish water can greatly affect fiber performance.
- Fiber length, denier, generic type, finish, ratio in furnish, binder, and other factors make every new product development a geometric progression which may take many attempts before a satisfactory product is made.

Precision Cut Synthetic Fibers available from

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