

## Technical Data Sheet

### LYOCELL FLOCK

**Product Code Prefix: LYSTD-0304RR**

**General Description:** Lyocell is a fiber composed of regenerated wood cellulose precipitated from an organic solution in which no substitution of the hydroxy groups takes place, and no chemical intermediates are formed. It is a semi-synthetic fiber made from responsibly sourced wood pulp using non-toxic solvents such as amine oxide, in an efficient and eco-friendly closed loop manufacturing process.

**Standard Filament Size:** 3.0 denier per filament (dpf)

**Standard Cut Lengths:** 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm

**Shrinkage,:** Data not available.

**Breaking Tenacity:** ~4.5 gpd

**Initial Moisture Content:** 3.0 to 12.0%

**Average Moisture Regain:** 11.0%

**Specific Gravity:** 1.5 g/cm<sup>3</sup>

**Effect of Heat:** Does not melt or soften. Stable at 115°C for up to one hour. At higher temperatures or longer exposure, fibers will yellow. Extended exposure to high temperatures will reduce tenacity. Thermal decomposition begins at >175°C.

**Chemical Resistance:** Insoluble in common organic solvents. Will be dissolved by diluted hot or concentrated acids. Caustic soda at 8-10% concentration will attack fibers at room temperature.

**Performance Characteristics:** High absorbency and moisture wicking properties. Breathable; dries relatively quickly. Soft and flexible. Higher tenacity than Viscose. Biodegradable and compostable.

**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.

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