

**Table S1.** Technical data sheet of Lyocell fiber

<b>Properties</b>	<b>Value</b>
Standard Filament Size	1.7 dtex
Standard Cut Lengths	4 mm
Cross-section	Round
Luster	Bright, uncrimped
Specific Gravity	1.53 g/cm <sup>3</sup>
Whiteness	63 CIE
Finish level	0.22%
Dry Tenacity	4.5 - 5.0 g/den
Elongation at break, dry	24% – 26%
Wet Tenacity	3.9 - 4.3 g/den
Elongation at break, wet	16% - 18%
Degree of polymerization	550 - 600
Initial Moisture Content	10%
Dispersibility in water	Very good