

SUSTAIN
YOUR

FASHION
WITH

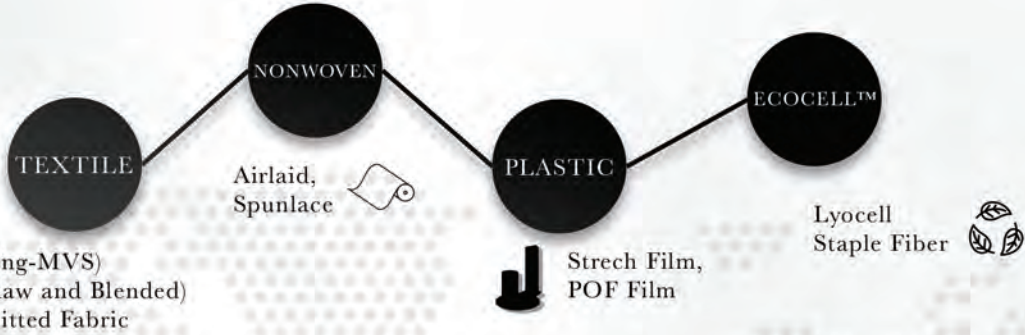
Sustain Your Fashion With EcoCell™
 **ECCOCELL**



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ELYAF

CERTIFICATES



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See our Canopy Hot Button profile here!



WHAT IS ECOCELL™?

EcoCell™ is a standard **lyocell** fiber used in various applications to have better properties in textile products. It is made of wood pulp in an **aqueous** solution of **NMMO** without chemical reactions, a natural material, **%100 biodegradable**.

COMPARISON

| Process Tech | Lyocell | Modal | Viscose |
|-------------------------------------|---|--|---|
| Original liquid preparation | Physical dissolution, simple process | The chemical process and technology are complex | The chemical process and technology are complex |
| Process Time (h) | (2) - (4) | (35) - (48) | (35) - (48) |
| Spinning speed (m/min) | 60 - 300 | 20 - 100 | 32 - 90 |
| Characteristics of the solvent | NMMO is green & non-toxic. Recovery rate > 99.6% | CS2 is highly toxic and affects the brain stem, optic nerve, liver and kidney. | CS2 is highly toxic and affects the brain stem, optic nerve, liver and kidney. |
| Waste water - gas - solid emissions | Waste water containing spinning oil is easy to be treated | CS2 waste gas, waste water containing zinc, sulfur, oil etc. | H2S, CS2 waste gas, Na2SO4 solid by products, waste water containing sulfur, oil etc. |

| Fiber | Dry strength (cN/dtex) | Wet strength (cN/dtex) | Dry elongation at break (%) | Wet elongation at break (%) | Wet modulus (cN/dtex) | Moisture regain (%) |
|-----------------|------------------------|------------------------|-----------------------------|-----------------------------|-----------------------|---------------------|
| EcoCell™ | 3.6 - 3.8 | 3.0 - 3.3 | 13 - 15 | 14 - 16 | 16 - 24 | 11 - 14 |
| Cotton | 2.4 - 2.8 | 1.6 - 3.0 | 7 - 9 | 12 - 14 | 10 - 12 | 8 - 9 |
| Viscose | 2.2 - 2.6 | 1.0 - 1.15 | 12 - 18 | 18 - 25 | 5 - 8 | 12 - 15 |
| Polyester | 4.0 - 5.0 | 4.0 - 5.0 | 25 - 40 | 25 - 40 | 21 - 25 | 0.5 - 0.8 |



SPECIFICATION 1.3 - 1.7 dtex/38mm

| | |
|-------------------------------|-------|
| Dry Breaking Tenacity cN/dtex | 3.8 |
| Wet Breaking Tenacity cN/dtex | 3.3 |
| Dry Breaking Elongation % | 13.0 |
| Defects mg/100g | 5max. |
| Brightness % | 70 |
| Moisture Regain % | 10-12 |
| Over Length (<2x)% | 2max. |
| Multiple Length (>2x)mg/100g | 4max. |

The index in this table is better than the fiber industry standard index and team standard index; These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.





**SUSTAINABLE STRUCTURE
NATURAL CONFORT**



**EXCELLENT TENACITY,
MORE THAN 99% RECYCLE OF ORGANIC SOLVENT**



**VERY LOW WATER CONSUMPTION,
LOW CARBON FOOT PRINT**



**WONDERFUL HANDLE
SOFT DRAPE**



**WASTE MANAGEMENT
ECOFRIENDLY
CLOSE LOOP MILL
MOISTURE MANAGEMENT
HIGH LIFE QUALITY**