

OUR MISSION: ENVIRONMENTAL AWARENESS AND SUSTAINABILITY

OUR ECOLOGICAL FIBERS AND THEIR PROPERTIES

NATURAL AND ORGANIC FIBERS:

Description	Properties	Application	Temperature* (continuous)
WOOL Originally used exclusively as a name for sheep's wool, now also for animal hair such as mohair and cashmere (goat), alpaca and camel hair used. Oldest fiber used for textiles.	» environmentally friendly » sustainable/renewable » biodegradable » high thermal isolation » flame retardant » moisture-regulating » absorption of sound » absorption of pollutants » good stainability	» clothing » isolation materials » decorative items » piano felts » abrasives » polishing materials » dosing aid for lubricants and adhesives	94°C – 110°C
VISCOSE chemical fiber spun from cellulose (wood)	» high moisture absorption » easily flammable » from naturally renewable raw materials » very easy to dye	» clothing » automotive » preliminary product for carbon fibers	80°C – 94°C
POLYLACTIDE (PLA) biodegradable plastic	» biodegradability (industrial) » high moisture absorption » low UV resistance » very low flammability » relatively low density » resistant to oils, fats and alcohol	» food industry » filtration » hygiene & medical application » packaging	70°C - 80°C
BIODEGRADABLE PET Biophilic polymer formulation biodegradable	» mainly organic macromolecules » similar structure and properties to synthetic fibers » biodegradable sites where microbes can colonize » engineered to biodegrade in harmony with nature, allowing for a balance between durability and sustainability	» hygiene products » home decoration textiles » automotive » technical applications	130°C – 150°C

