mskpu | LPP

1st edition

responsible FASHION AWARDS

QUALITY CATALOG FOR USE IN COMPETITION PROJECTS

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ORGANIC COTTON (ECO)

ORGANIC COTTON

CHARACTERISTICS:

- Produced with due regard for the environment, only from non-GMO seeds.
- Cultivated on soil free from pesticides and harmful fertilisers for at least three years; cultivation requires approximately 200 days of growing season.
- The sustainable agricultural practices used to grow organic cotton do not pollute groundwater, surface water, soil or air. In fact, the quality of the soil is improved by organic cotton production.
- Cotton is harvested in specific rotational stages according to its natural life cycle.
- Organic cotton is softer, cleaner and less likely to cause allergies than conventional cotton.

Organic fibres are certified by independent institutions (GOTS, OCS).

OCS 100 - Organic Content Standard

OCS Blended - Organic Content Standard

PROS OF COTTON		CONS OF COTTON	
	High hygroscopicity - it is able to absorb up to 25% of moisture without the impression of “wet” material.		Low elasticity - wrinkles quite easily.
	Good heat absorption - depending on the type of material, a thicker one heats more, a thinner has a gently cooling effect.		Not resistant to long-lasting moisture - if exposed to moisture for a long time, it will rot.
	Non-allergenic.		Low abrasion resistance.
	Resistant to high temperature.		Deforms after washing.
	Pleasant to touch.		Gets dirty easily.
	Low tendency to electrify.		Dirt is difficult to remove.
	High colour fastness.		
	Easily spun.		

TYPE: ORGANIC 1

TYPE: ORGANIC 2

TYPE: ORGANIC 3

TYPE: ORGANIC 4

TYPE: ORGANIC 5

TENCEL (LYOCELL)

CHARACTERISTICS:

- Tencel TM is a registered trademark of the international company Lenzing AG, based in Austria, which specialises in the production of cellulose fibres from sustainably grown trees to guarantee their reforestation (FSC - Forest Stewardship Council).
- Organic production is based on a closed cycle, where methylmorpholine oxide is used to dissolve cellulose - 99%
- regenerated. and reusable. The production of the fibre itself is limited to 2 hours, where, for the sake of comparison, the production of viscose fibre lasts more than 30 hours.
- Tencel (Lyocell) fibre is extremely durable and the material is hygienic, breathable and cool; gentle on the skin; does not stretch, shrink in water and is colour fast; biodegradable.

Tencel™ Feels so right

Lenzing Innovative by nature

TYPE: TENCEL 1

TYPE: TENCEL 2

TYPE: TENCEL 3

TYPE: TENCEL 4

TYPE: TENCEL 5

TYPE: TENCEL 6

RECYCLED POLYESTER

CHARACTERISTICS:

- Synthetic fibres produced from used PET bottles and/or post-consumer waste (used polyester clothes).
- The quality of recycled yarn is slightly worse.
- The fibre is shorter in length than the original fibre length, which makes it more difficult to spin.
- Recycled polyester fibres are often mixed with pure polyester fibres to improve durability of the yarn.

Recycled fibres are certified by independent institutions (GRS and RCS standards).

PROS OF POLYESTER		CONS OF POLYESTER	
	Durable - clothes made of this material demonstrate high durability.		Not breathable, which results in unpleasant sticking to damp skin.
	High resistance to most chemicals - making it easy to wash out any stains.		Low heat resistance - i.e. it is flammable (melts at high temperature).
	Fatigue resistant - does not lose its properties due to stretching and shrinkage.		It electrifies.
	Resistant to mould and abrasion.		It is not biodegradable - it cannot be decomposed through a composting process.
	It has hydrophobic properties - i.e. it has low water absorption, which in practice ensures quick drying.		It is not very hygienic and gets dirty quickly .
	It performs well in difficult climatic conditions - it does not lose shape.		Pilling tendency.
	Relatively cheap material.		

TYPE: RECYCLED POLY 1

TYPE: RECYCLED POLY 2

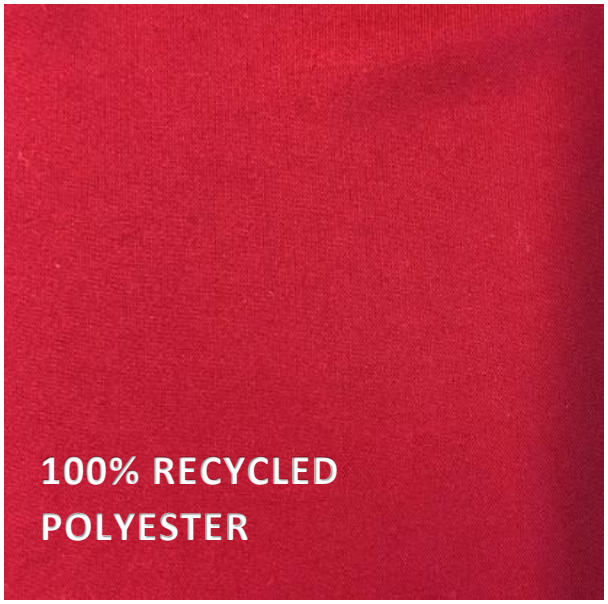
TYPE: RECYCLED POLY 3

TYPE: RECYCLED POLY 4

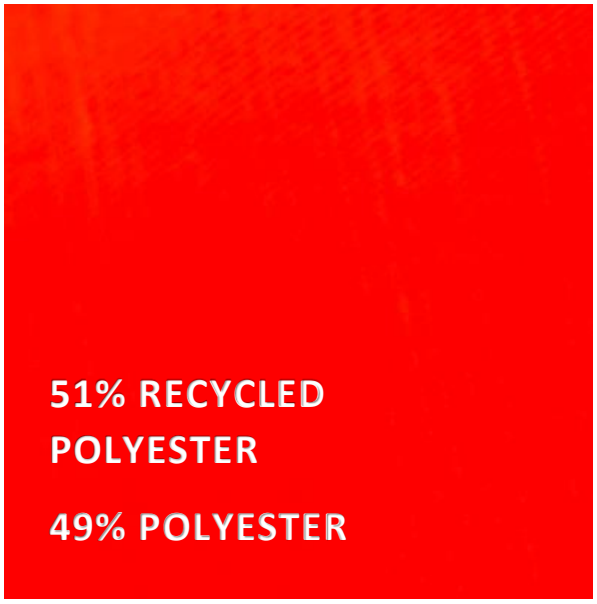
TYPE: RECYCLED POLY 5

TYPE: RECYCLED POLY 6

TYPE: RECYCLED POLY 7

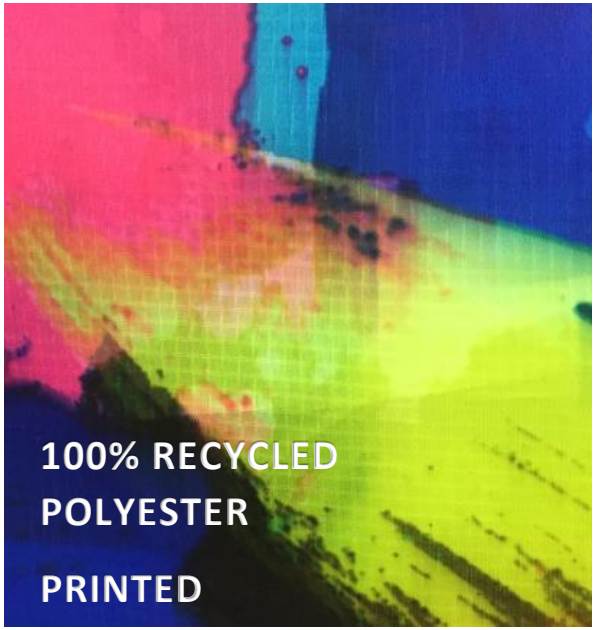


TYPE: RECYCLED POLY 8



TYPE: RECYCLED POLY 9

TYPE: RECYCLED POLY 10



MODAL (LENZING MODAL)

CHARACTERISTICS:

- Semisynthetic fibre with a smooth and delicate structure, exceptionally soft, perfectly absorbing moisture, used mainly in the production of underwear and sportswear.
- Modal fibre absorbs about 50% more water per unit of volume than cotton. It has similar properties to other cellulose fibres. Thanks to its impressive shrinkage and pilling resistance, modal can be used both on its own and in a textile blend.
- Modal fibres are produced using a modified viscose process. A special feature of LENZING™ modal fibres is their higher tensile strength compared to viscose fibres, especially when wet, which in turn provides the fabric with better dimensional stability.
- LENZING ™ modal fibres are mainly produced from beech wood, harvested from sustainable semi-natural forests in Austria and neighbouring countries. Beech forests are a natural and renewable source of raw material.

TYPE: MODAL 1

TYPE: MODAL 2

TYPE: MODAL 3

TYPE: MODAL 4

TYPE: MODAL 5

TYPE: MODAL 6

TYPE: MODAL 7

TYPE: MODAL 8

SORONA

CHARACTERISTICS:

- Sorona® is a thermoplastic polymer fibre made from 37% inedible propanediol derived from renewable sources, made from corn sugar and therefore biodegradable. It is widely used in the textile industry and is mainly used in outdoor, shirt and activewear fabrics due to its properties.
- Fibre production reduces energy consumption by 30% compared to nylon fibre production and also reduces greenhouse gas emissions by 63%.

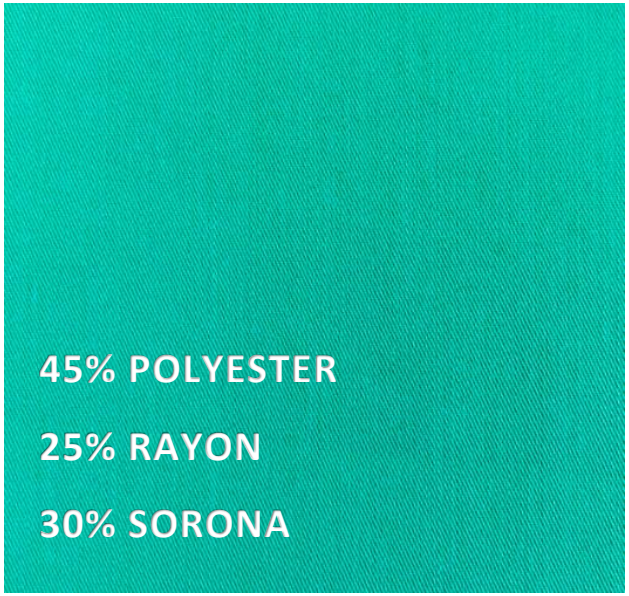
A material containing Sorona® fibres:

	Flexible - it stretches perfectly.		Durable and resistant to external factors.
	Does not deform - retains its original shape.		Exceptionally soft and pleasant to the touch, it provides comfort every day.
	UV and chlorine resistant - for vivid colours during use.		Easily coloured at lower temperatures for vivid colours.
	Resistant to wrinkling.		Quickly dries and perfectly removes moisture from the skin, providing additional comfort.
	Non-pilling.		

TYPE: SORONA 1

TYPE: SORONA 2

TYPE: SORONA 3



TYPE: SORONA 5

TYPE: SORONA 6

TYPE: SORONA 7

TYPE: SORONA 8

ECO VERO

CHARACTERISTICS:

- Cellulose fibre produced and patented by Austrian company - Lenzing AG in 2017.
- The cellulose comes from trees that are sustainably grown and controlled by the FSC (Forest Stewardship Council).
- The fibres are largely based on eucalyptus, beech and spruce wood, but this depends on the place of production.
- Ecological viscose is obtained through a closed process. Compared to conventional viscose fibres, the production of LENZING™ ECOVERO™ provides up to 50% less emissions and water pollution.

PROS of ECO VISCOSE		CONS of ECO VISCOSE	
	High hygroscopicity - perfectly absorbs moisture.		Low elasticity - quite easily wrinkles and twists when dry.
	Resistant to high temperature.		Low tensile strength when wet.
	Light and pleasant to the touch.		Low resistance to wrinkling and twisting when dry.
	Relatively low tendency to electrify.		Sensitivity to water temperature: may shrink or stretch in/after washing at a too high temperature.
	High colour fastness.		Tendency to pilling.
	Biodegradable.		

TYPE: ECO VERO 1

TYPE: ECO VERO 2

TYPE: ECO VERO 3

TYPE: ECO VERO 4

TYPE: ECO VERO 5

TYPE: ECO VERO 6

TYPE: ECO VERO 7

TRIMMINGS- BUTTONS

TYPE: COROZZON WHITE

RAW MATERIAL: COROZZON

DIAMETER: 24mm

TYPE: COROZZON BURNED

RAW MATERIAL: COROZZON

DIAMETER: 19 mm

TYPE: BROWN COROZZO

RAW MATERIAL: COROZZON

DIAMETER: 14mm

TYPE: NATURAL COCCO

RAW MATERIAL: KOKOS

DIAMETER: 25 mm

TYPE: COCONUT BLEACH

RAW MATERIAL: KOKOS

DIAMETER: 14 mm

TYPE: NAVY MAT RECYCLED

RAW MATERIAL: RECYCLED

DIAMETER: 14 mm

TYPE: DK NAVY RECYCLED

RAW MATERIAL: RECYCLED

DIAMETER: 15 mm

TYPE: KHAKI RECYCLED

RAW MATERIAL: RECYCLED

DIAMETER: 20 mm

TYPE: GREY UREA

RAW MATERIAL: UREA

DIAMETER: 15 mm

TYPE: OFF WHITE UREA

RAW MATERIAL: UREA

DIAMETER: 15 mm

TYPE: BLACK UREA

RAW MATERIAL: UREA

DIAMETER: 15 mm

TYPE: WHITE PEARL

RAW MATERIAL: INNER LAYER OF A SHELL

DIAMETER: 8 mm

TYPE: SPRAY PEARL

RAW MATERIAL: INNER LAYER OF A SHELL

DIAMETER: 15 mm

TYPE: GREY REAL PEARL

RAW MATERIAL: INNER LAYER OF A SHELL

DIAMETER: 14 mm

TYPE: JEANS 1

RAW MATERIAL: METAL

DIAMETER: 15 mm

TYPE: JEANS 2

RAW MATERIAL: METAL

DIAMETER: 17 mm i 7 mm

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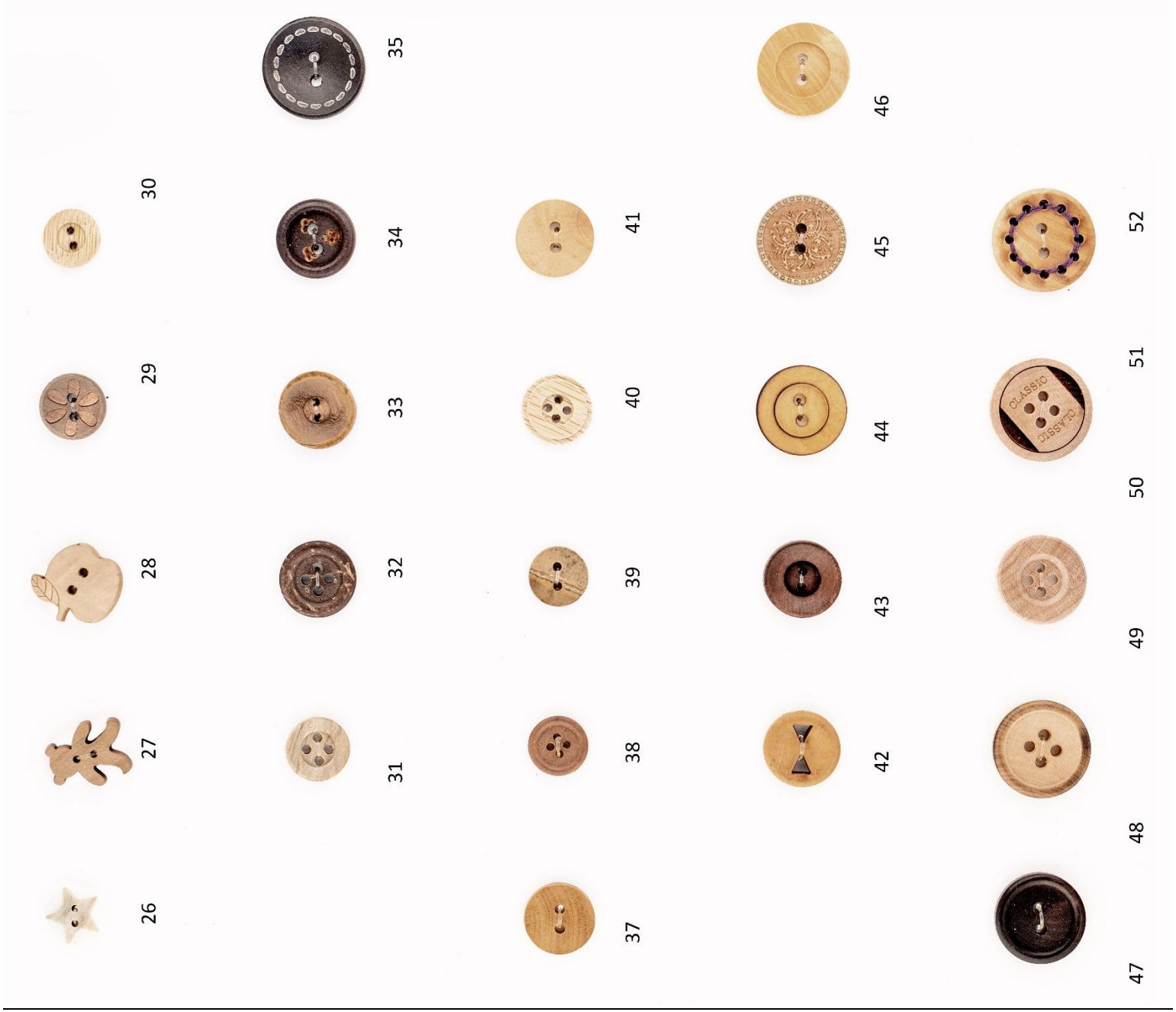
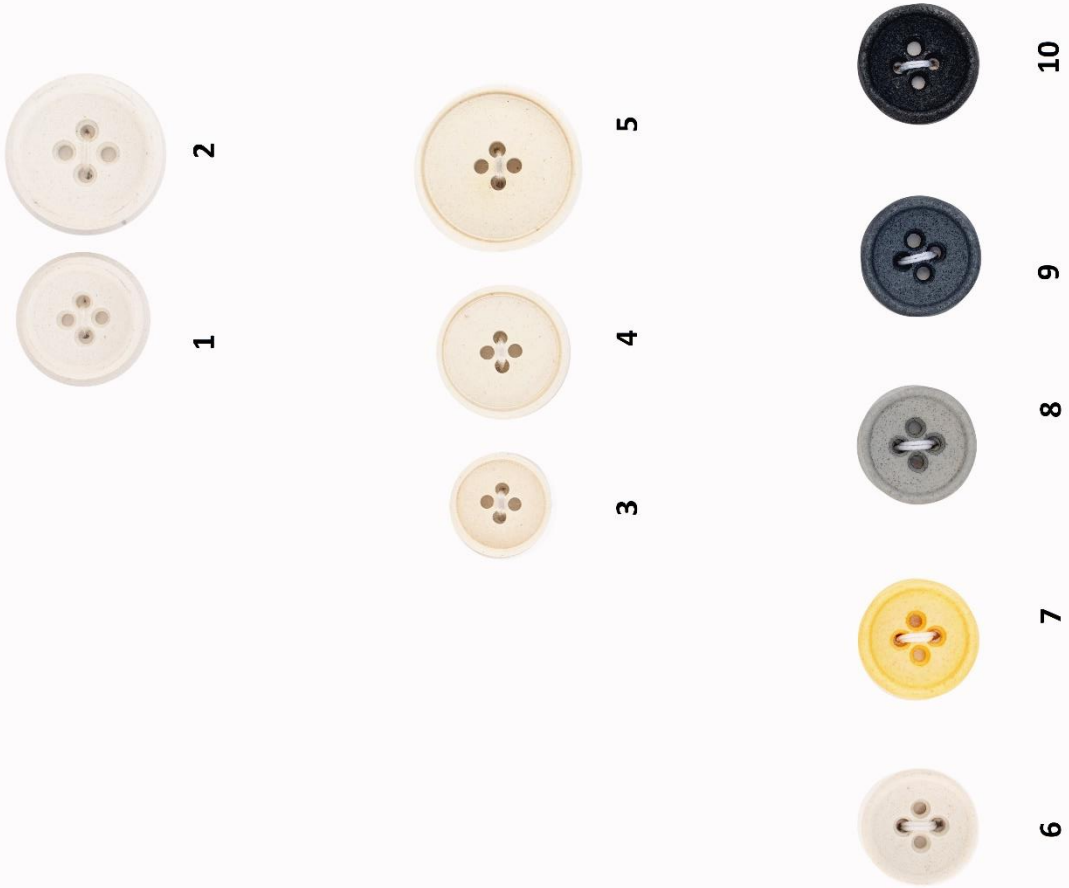


RAW MATERIAL: DREWNO

RECYCLED



TRIMMINGS – ZAMKI

TYPE: 1

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 2

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 3

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 4

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 5

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 6

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 7

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 8

RAW MATERIAL: NATULON, RECYCLED TAPE

TYPE: 9

RAW MATERIAL: ORGANIC COTTON

TYPE: 10

RAW MATERIAL: NATULON, RECYCLED TAPE