

HYGIENE



Meralux PP/PE Trilobal fibres

Meralux® is a PP/PE-BICO fibre with a trilobal cross section. This concept combines the key benefits of MONO-Trilobal and BICO-Round fibres. It has a concave trilobal shape, which is unique in the market.

- Core: PP
- Sheath: PE



Key properties

- improved coverage
- better liquid behavior
- higher bulkiness
- increased softness

The fibres can be tailored on the basis of the technical performances requested by our customers regarding the liquid behaviour and opacity. Our general core/sheath ratio of 50/50 can be adjusted to ratios of 70/30 (core/sheath ratio).

Meralux® fibres show higher resilience because of the trilobal shaped cross section.

The liquid management is improved because of the higher surface area of the fibres (35-40% bigger than a round fibre with the same titre). The coverage of a 1,3dtex trilobal fibre is similar to a 2,2dtex round fibre (material saving about 60-65%).

Meralux® fibres provides the following upsides to the nonwovens:

- Opacity levels of nonwovens produced with 100% Meralux® are superior to NW made with BICO-round full-dull fibres (highest amount of TiO2).
- High Resilience Levels: Meralux® fibres increase the bulkiness of the nonwoven, producing a more better three-dimensional structure of the web.
- Softness: superior softness due to the choice of the raw materials.
- System cost reductions: high coverage levels allow weight reduction without impacting the nonwoven appearance.

Shape after Thermal Activation:

Meralux® trilobality is maintained even after Thermal Activation in Carded Through Air-Bonding (CATB) technology.



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Hygiene Fibres | BICO TRILOBAL "MERALUX"

Products specifications range

Titre	1,3 - 6,7 dtex
Cut Lengths (mm)	40 - 50 - 60
Cross section shape	Trilobal

Finish options

PHIL	Standard Hydrophilic
PH	Permanent Hydrophilic
PH/HW	Permanent Hydrophilic and High Wicking
PHOB	Hydrophobic
PH BOTANICAL	Permanent Hydrophilic with Botanical Essences
SL	Finish suitable for Spunlace technology

Additives

Softness	
Opacity / Whiteness	

Melting Temperatures

PP (Phthalate-Free)	165 °C
PE	130 °C

The presented products portfolio complies with the worldwide safety regulations for hygiene applications and are not containing any hazardous ingredients for safety, according to the European directive 67/548/CEE; EC 1272/2008 (CLP); EC 1907/2006 (REACH). All the mentioned fibres are not cytotoxicity and are not skin irritating and are in compliance with Oeko-Tex Standard 100 Normative, Class I and Class II.