

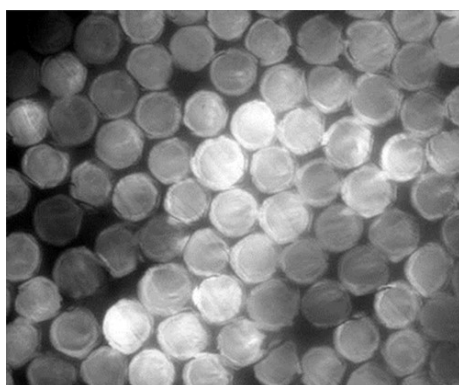
HYGIENE



Meraspring PET/PE Round fibres

Meraspring fibres are made with polyethylene and polyester. It is a BICO-fibre combining the softness by the use of polyethylene with bulkiness provided by the resilience of polyester.

- Core: PET
- Sheath: PE



Key properties

- superior softness
- higher bulkiness
- cushion effect
- good bonding strength

Merasing fibres are BICO-fibres made by Polyethylene (PE) in the sheath and Polyethyleneterephthalate (PET) in the core. The use of the polyester polymer in the core provides bulkiness to the nonwovens as PET is very resilient. These properties result in a very cushiony final product. In addition to the very good resiliency, PET has higher melting temperature which allows a broader bonding/working window during the converting of the fibres.

Merasing fibres provides the following upsides to the nonwovens:

- The selected raw materials and process conditions give to final nonwovens very high softness levels.
- The opacity levels can be adjusted by adding TiO₂ in the fibre formulation.
- The PET in the core of the fibers provides a high bulk which results in a loftier nonwoven.
- The liquid management performances can be adjusted by the finish applied. For a topsheet as an example a Permanent Hydrophilic finish (PH) is applied, whereas for Acquisition Distribution Layers (ADL) a Permanent Hydrophilic finish with High Wicking properties (PH/HW) will bring the best results in terms of liquid transport.
- The high melting temperature of the PET-polymer allows a wide bonding window on the converting lines.

The fibres can be used for Calender Thermo Bonding or Air-Through Bonding technologies, but are also suitable for Spunlacing and Needle Punching.

Hygiene Fibres | BICO ROUND "MERASPRING"

Products specifications range

Titre	1,7 - 8,9 dtex
Cut Lengths (mm)	40 - 50 - 60
Cross section shape	Round

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

PET (Antimony-Free)	255 °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.

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