



FINISHING

FIBERMATE POC

Universal fibre lubricant: Sliding perfectly for winding, knitting and weaving

Very good oligomer control

FIBERMATE POC

Yarn lubricant for wet waxing operations on polyester fibres. Provides good running properties during rewinding, knitting and weaving.

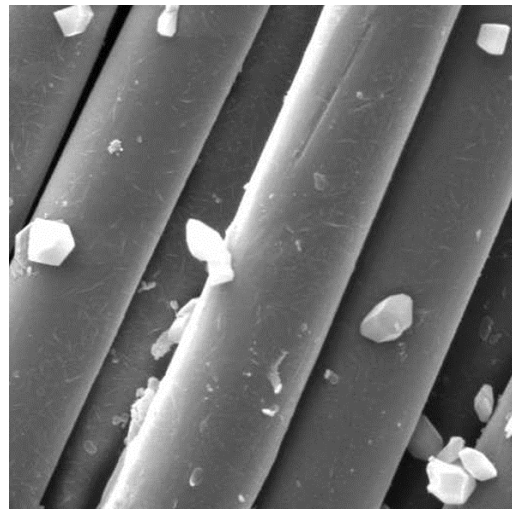
The basis of FIBERMATE POC are selected paraffin-oils with a special emulsifying system.

The running properties during rewinding, knitting and weaving are very good.

- FIBERMATE POC is APEO-free
- New emulsifier technology provides a very uniform deposit of the paraffin oil on the yarn
- Improved anti-static properties
- Very good rewinding properties
- Very good knitting and weaving performance
- Improved oligomer control. Superficial oligomers are *permanently transformed* into much smaller, less rigid, structures. Wax based products do not prevent oligomer dusting during subsequent processing of the yarn
- Much less oligomer deposits in the dyeing machines as against wax based products
- FIBERMATE POC is recommended for all types of polyester yarn
- No white filter/perforation marks if applied on woven articles
- Faster hydro-extraction and drying of the treated yarn
- 100% active

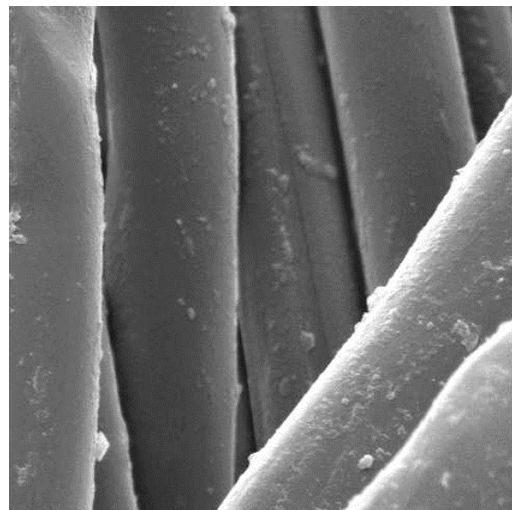


High speed non-friction magnetic train



The oligomers can clearly be seen as white crystals if no FIBERMATE POC has been used.

In the picture below the oligomers are structurally changed and embedded in the oil



Application

All wet waxing (or wet oiling) is carried out after dyeing, reduction clearing and neutralisation of the yarn. It is very important to start with a fresh bath at temperatures as low as possible (preferably $\leq 30^{\circ}\text{C}$). This is not only required for FIBERMATE POC, but for all waxing/oiling systems to achieve level results.

FIBERMATE POC deposits slowly onto the fibre during the heating up of the bath. Exhaustion is finished after approx. 10-15 min. at 60°C or even better 70°C , giving a yield of approx 90%. Incorrect pH-values and small residues of salts have little effect on the exhaustion of this product.

It is recommended to hydro-extract the polyester yarn as soon as possible after the treatment. Centrifuging and drying is remarkably shortened. Avoid overdrying.

Recipe:

1 – 3 % FIBERMATE POC
pH 5-6

FIBERMATE POC is also suitable for yarns used in the automotive industry due to some special properties:

- Very easy to remove, no problems with foam-coating and lamination
- No influence on fastnesses (light fastness, wet fastness, no thermo-migration)
- No corrosion of needles

Excellent Oligomer control



Rewinding machine:
without the use of FIBERMATE POC

Rewinding machine:
with the use of FIBERMATE POC





TANATEX Chemicals B.V.

Einsteinstraat 11
P.O. Box 46
6710 BA Ede
Netherlands

Telephone: +31 318 67 90 11

Fax: +31 318 63 02 36

E-mail: info@tanatexchemicals.com

Internet: www.tanatexchemicals.com