



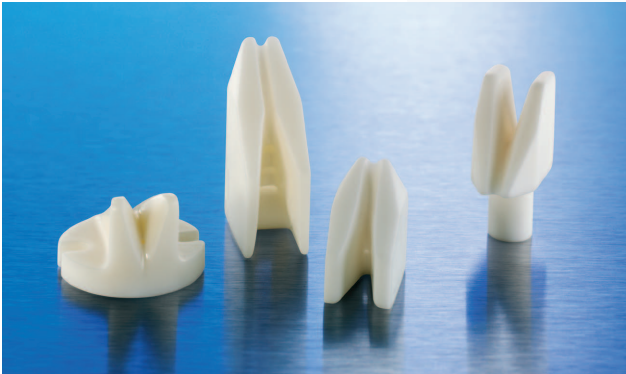
Advanced Ceramics for the Melt Spinning Process

New dimensions with TRIBOFIL® and TRIBOSOFT®

Ceramic components for the melt spinning process



Pigtails



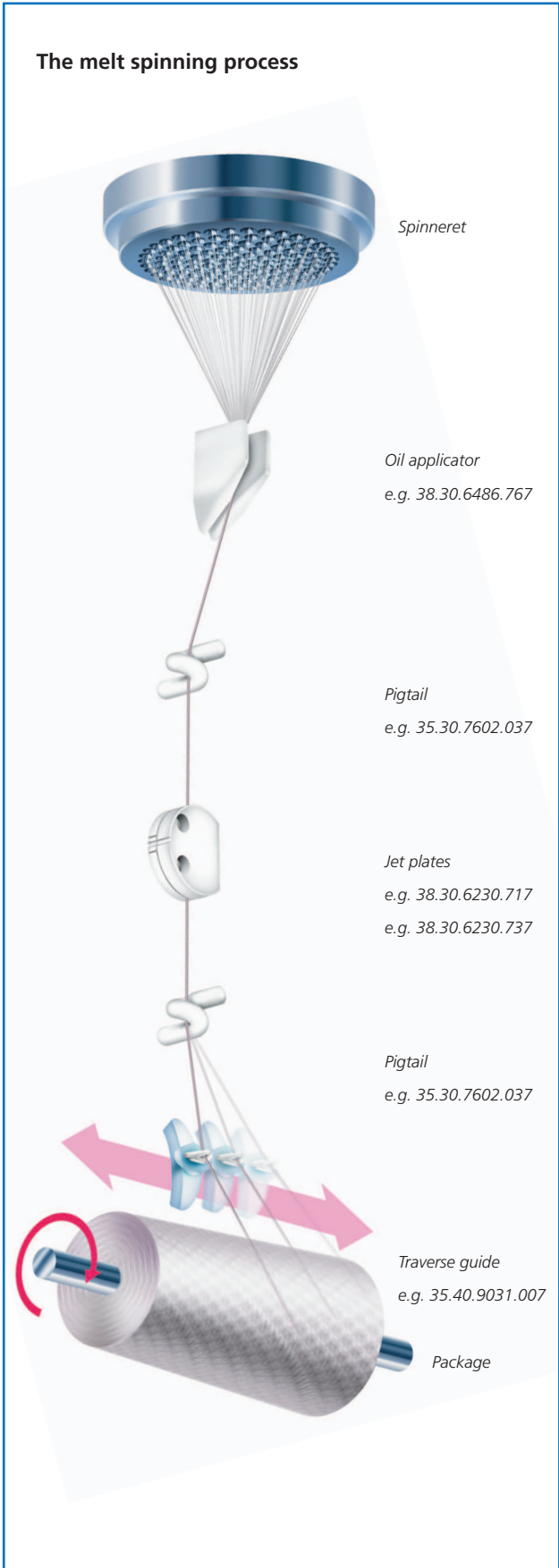
Oil applicators



Traverse guides



Jet plates



New dimensions with TRIBOFIL® and TRIBOSOFT®

New dimensions with TRIBOFIL® and TRIBOSOFT®

TRIBOFIL® is our surface finish for yarn guide elements for low-tension applications and for the processing of commonly produced synthetic yarns without any yarn damage. This material has been proven worldwide and is highly rated by the circle of expertise in the industry.

TRIBOSOFT® is an established advanced surface treatment used for processes at low yarn tensions without any yarn damage, having long life cycles on both special yarns and raw materials containing aggressive additives such as spun-dyed yarns (spun-dyed black), CS and bioactive yarns.

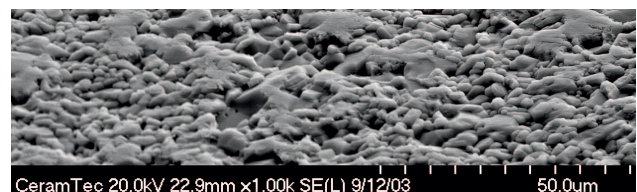
TRIBOFIL® and TRIBOSOFT® are only available from CeramTec and provides you with:

i At a glance

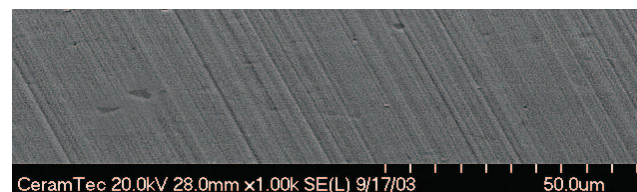
- Lowest possible yarn break rates
- Highest yarn cleanliness
- Low yarn tension
- Excellent package build-up
- High quality and cost efficiency

Different surfaces for customers' applications:

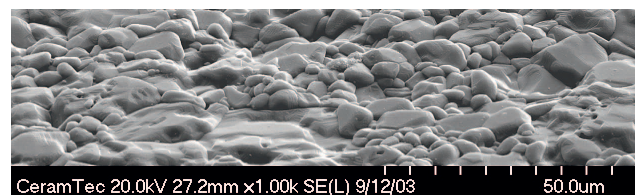
The REM pictures below show the different types of ceramic surfaces as used for different kinds of technical processes.



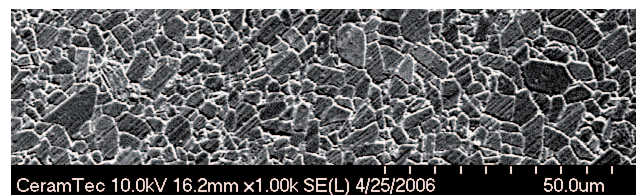
Surface: As fired for POY semidull and bright, e.g. dtex 300 (167) f 32



Surface: Polished for wire and glass fibre



Surface: TRIBOFIL® for FOY semidull, bright and micro-filaments, e.g. dtex 67 f 128, POY micro-filaments, e.g. dtex 130 (76) f 144



Surface: TRIBOSOFT® for spun-dyed (spun-dyed black) and special raw materials, e.g. CS, full dull

Surface	R _a value [μ] POY 100D/200f	Coefficient of friction
TRIBOFIL®	1.1	0.3
TRIBOSOFT®	< 0.3	0.4
Polished	< 0.3	0.8
As fired	0.75	0.4



The measured values mentioned before were determined for test samples and are applicable as standard values. The values were determined on the basis of DIN-/DIN-VDE standards and if these were not available, on the basis of Ceramic standards. The values indicated must not be transferred to arbitrary formats, components or parts featuring different surface qualities. They must not be considered as a guarantee for specific properties. We reserve the right of technical modifications.

CeramTec GmbH
Mechanical Applications Division
CeramTec-Platz 1-9
73207 Plochingen, Germany
Phone: +49 7153 611-444
Fax: +49 7153 611-601
mechanical_applications@ceramtec.de
www.ceramtec.com