



# Advanced Ceramics for the Texturing Process

New dimensions with Cerasoft®G

# Advanced ceramics for the texturing process



Ceramol working discs



Working Discs



Guide Discs



Knife Discs



Additional products for the texturing process

Ever since the 1970s, when friction texturing using three spindle texturing units made its breakthrough, solid ceramic friction discs made by CeramolTec have demonstrated their superiority in this process. They are extremely effective in the continuous operation of friction texturing. CeramolTec solid ceramic friction discs have many decisive advantages when compared with other disc materials:

## i Advantages at a glance

- Long service life, due to the material's high wear & tear and corrosion resistance
- Even and constant yarn quality from position to position, due to the consistent disc finish
- No detrimental effect from spinning preparations, i.e. free choice of finishing agents
- No damage to friction disc in the event of running yarn at spindle-stop
- Considerable flexibility in speed and titre ranges, also successfully used in microfilament production
- Easy start-up of disc units, particularly at high yarn speeds, when yarn tends to jump out of the disc groove
- Universal cleaning possibilities: with acids, alkaline solutions, burning at high temperatures or in an ultrasonic bath
- Extremely low build-up of rubbing powder, especially when using Cerasoft®G
- Ceramol - innovative special grooved structure makes Ceramol ideal for texturing spun-dyed filament yarns made of polyester, polyamide and other types of raw materials in texturing

Depending on your application we offer 3 different surface types: Ceramol-Standard, Cerasoft®G and Cerasoft®GX.

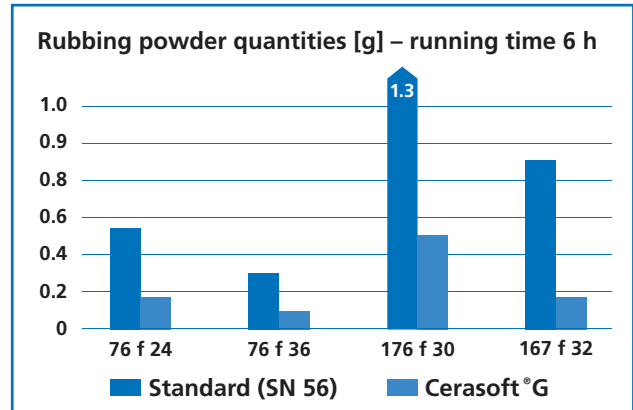
# Cerasoft®G – the worldwide benchmark

## Outstanding results with Cerasoft®G

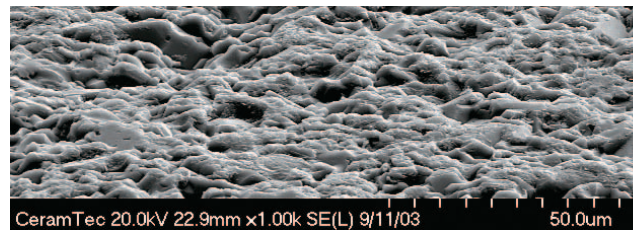
The Cerasoft®G disc with a thickness of 9 mm allows extremely high speeds. At such yarn speeds, the disc and the yarn are running with speed differences on a level at which conventional disc materials (polyurethane, plasma coatings, nickel/diamond) will fail completely, or fail to give a good texture to the yarn. The development of Cerasoft®G and its outstanding progress is the result of very close cooperation between texturing and preparation agent suppliers, and also between equipment and machine builders.

**i Constant yarn tension and low CV**

- Defined yarn path
- Increased efficiency
- Low D/Y ratio possible
- Higher productivity
- Improved twisting
- Yarn count: dtex 30 - 150
- Excellent physical yarn properties
- S- and Z-twist with full efficiency
- Plenty of bulk



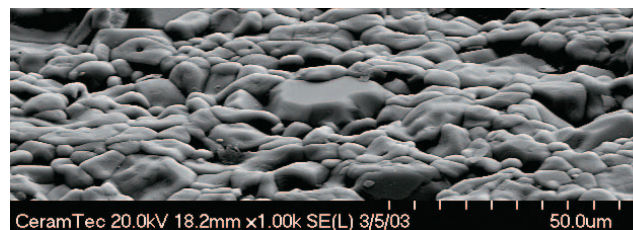
CeramTec high-performance discs are outstandingly well proven, and can be adapted easily for all well-known spindle units, as Barmag, Rieter/ICBT, Rieter Scragg, TMT, Temco, Hongyuan, Jingwei, Haiyuan.



Surface: CeramTec-Standard



Surface: Guide disc-polished



Surface: Cerasoft®G

Cerasoft®G vs. PU disc in texturing process Polyester 167f32; 900 m/min		
Unit type	PU	Cerasoft®G
Unit stack	1 / 6 / 1	1 / 7 / 1
D/Y	1,8	1,8
T2 [cN]	52	55
Elongation [%]	21,3	21,5
Tenacity [cN/dtex]	4,98	5,01
Shrinkage [%]	13,1	13,4
Rubbing powder [g/to]	11,7	11,5
Costs per unit [EUR]	24	58
Working discs (45x12x6 mm)		
Life time	10-12 months	7 years or more
Unit costs per year [EUR]	26	8,3
Savings per machine [EUR] (240 positions, 7 years)		29.800

Nonbinding case example



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.

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