

# EasyKleen<sup>®</sup>



## Perlon<sup>®</sup> – The Filament Company

Perlon<sup>®</sup> – The Filament Company – is an innovative, global group of companies specialized in the manufacture of synthetic filaments. Perlon<sup>®</sup> generates annual sales of more than 140 million euros, employs about 840 people and has a production capacity of 23,000 tons. We operate from locations in Germany, in the USA and in China.

Through our technical expertise and strength in innovation we develop premium quality products for our customers. The comprehensive product portfolio is based on a variety of raw materials. In line with the intended application, these are modified and processed into high quality, application-specific filaments. The consistent high quality of our products sets worldwide benchmarks.

## Stay nice and clean with EasyKleen<sup>®</sup>

With paper recycling and numerous other technical applications, contamination is becoming ever more of a problem. Contaminated paper machine clothing can no longer properly fulfil its function which leads to production disruptions and poorer paper quality.

The name EasyKleen<sup>®</sup> says it all: it stands for monofilaments with improved cleaning characteristics. By means of targeted modification of the surface character, dirt particles adhere less strongly to the EasyKleen<sup>®</sup> monofilaments and are thereby easier to remove.

Besides the dirt repellent effect, EasyKleen<sup>®</sup> (type CG) also has an impressively higher abrasion resistance. The use of EasyKleen<sup>®</sup> leads to a significantly better energy balance over the entire service life of sieves. These characteristics can be transferred to the most diverse areas of application – from PMC to filtration to special technical applications.

The dirt repellent effect can be optimised even further by means of special profile geometry and functional cross section modifications.

## Economic and technical advantages

- Improved cleaning characteristics
- Reduced tendency of sieve fabrics to contamination
- Lower energy requirement
- Improved abrasion resistance (CG)
- Shorter idle times
- Improved paper quality
- Cost reduction

See for yourself how EasyKleen<sup>®</sup> improves the performance of your sieves!

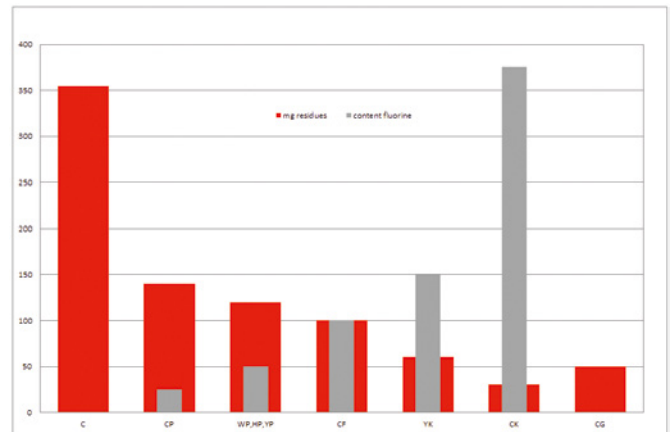
## Technical specifications

- The technical data and quality of the EasyKleen® monofilaments are virtually comparable with monofilaments from 100% polyester.
- Diameter variation within the usual tolerances; slightly reduced strength in comparison to pure PET; elongation slightly increased.
- Areas of application are forming fabrics, drying sieves (woven or spiralised) and high quality technical fabrics.

## Lower energy consumption

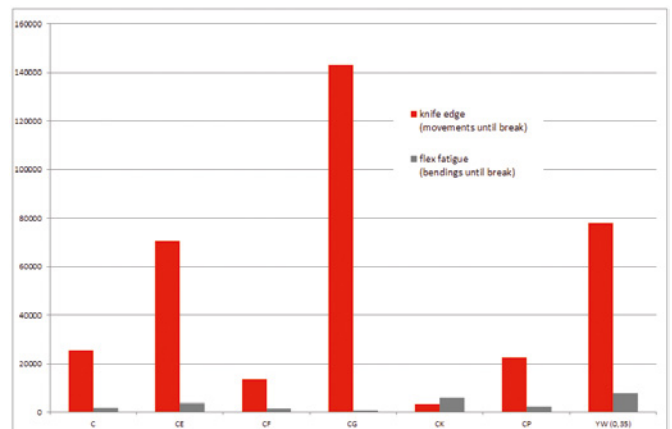
Through the targeted reduction of the friction coefficients, the necessary drive power at the contact surfaces on the monofilaments is reduced – which in turn can mean a saving in energy consumption.

## Dirt repellent effect as a function of the fluorine dosing



Through the reduced tendency to contamination and the resultant shortened cleaning times, idle times and therefore costs are diminished.

## Abrasion resistance of different PET types compared



The abrasion resistance is improved by means of additives which permanently anchor additional slip properties in the polymer and simultaneously optimise the molecular cross-linking.

**Brand related products:** 9\*\*CF, CK, CP, YF, YK, CG, YP

This product information has been compiled to the best of our knowledge and with the greatest of care. We cannot, however, assume any liability for the accuracy, integrity or timeliness of its content. The technical parameters and the behaviour of the monofilament can vary depending on diameter and production technique.