

EasyKleen[®]



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Perlon[®] – The Filament Company

We are the world's leading manufacturer of synthetic filaments. We develop customer-oriented products of excellent quality through technical expertise and innovation.

Perlon[®] – The Filament Company – stems from the merger of PerlonNextrusion and Hahl-Pedex.

Perlon[®] generates annual sales of about 125 million euros, employs more than 750 people and has a production capacity of over 20,000 tons. We operate from seven locations in Germany, in the USA, in China as well as in Korea.

Our portfolio incorporates an extremely diverse range of products for almost any industrial application. We are constantly creating new solutions for unique products – developed today for the markets of tomorrow.

EasyKleen[®]: A monofilament that's washed itself

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[®] 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[®] monofilaments and are thereby easier to remove.

Besides the dirt repellent effect, EasyKleen[®] (type CG) also has an impressively higher abrasion resistance. The use of EasyKleen[®] 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[®] improves the performance of your sieves!

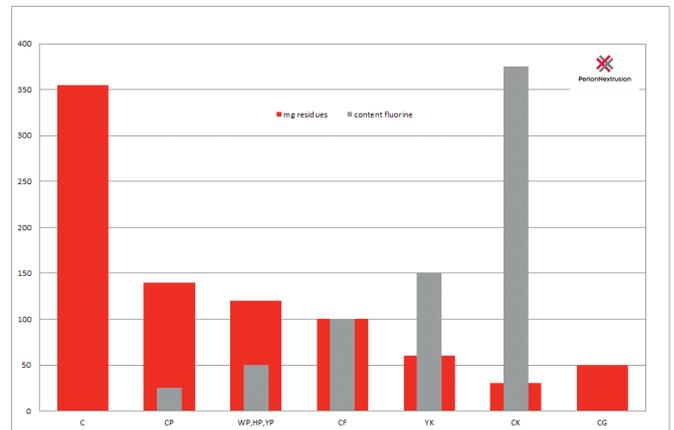
Technical specifications

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

Lower energy consumption

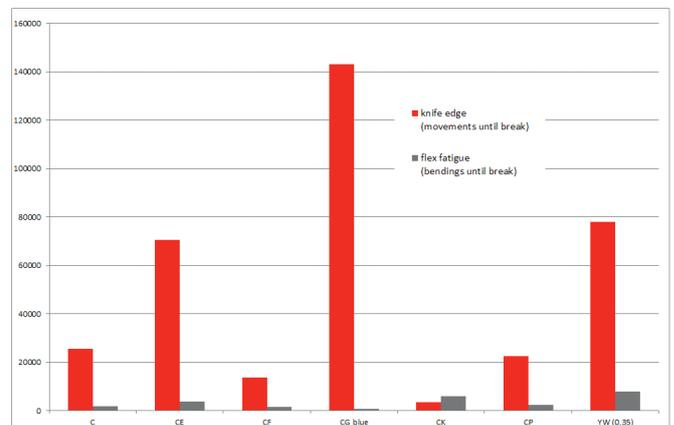
Through the targeted reduction of the friction coefficients, the necessary drive power at the contact surfaces on the monofilaments is reduced – which in turn can mean a saving in energy consumption.

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.

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 correctness, completeness or currentness of the contents. Depending on diameter and production technique the technical parameters and the behaviour of the monofilament can vary.