TTS

printable textiles &
transfer printing media

SEAQUAL INITIATIVE

TOGETHER FOR A CLEAN OCEAN

SEAQUAL® DISPLAY 210 RECYCLED FR

TOGETHER FOR A CLEAN OCEAN

TTS INTRODUCES SUSTAINABLE DISPLAY TEXTILE WITH SEAQUAL®

At TTS, we believe that innovation and sustainability go hand in hand. That is why we are taking a new step in reducing plastic pollution by using SEAQUAL® YARN. As an official license holder of SEAQUAL®, TTS is part of an international collaboration committed to cleaning oceans, rivers, and coastal areas.

Plastic pollution is a global problem. By collecting plastic waste from the sea and processing it into high-quality raw materials, waste is given a new purpose. The recovered plastic is cleaned, sorted, and recycled into textile fibers that can be reused in sustainable products.

From Ocean Plastic to Valuable Material

For our latest display fabric, we use SEAQUAL® YARN – an innovative and fully traceable yarn made of 10–15% recovered ocean plastic and 85–90% recycled PET from land-based sources. By reusing these materials, waste is transformed into a valuable raw material for new textile applications. The use of SEAQUAL® yarn also has a measurable positive environmental impact. The material results in approximately 32% lower CO_2 emissions compared to traditional polyester. In addition, every kilogram of SEAQUAL® yarn helps remove approximately 600 grams to 1 kilogram of ocean waste.

SEAQUAL® Display 210 Recycled FR

Display 210 SEAQUAL® RC FR, a sustainable display fabric specifically developed for applications such as display textiles, banners, and soft signage.

The fabric consists of 38% SEAQUAL® yarn and 62% recycled yarn. The SEAQUAL® yarn itself contains 10–15% recovered ocean plastic and 85–90% recycled PET from land-based sources.

This composition creates a stable, strong, and high-quality material suitable for professional printing and display applications. By using SEAQUAL® yarn, this quality is maintained while simultaneously reducing environmental impact.

Visit our website:
texo-trade.com

CICLO®
FLAG 110 FR

LESS MICROPLASTICS, SAME QUALITY

CiCLO® Technology is an innovative solution that helps synthetic fibers, such as polyester, behave more like natural materials at the end of their life cycle. During the production process, a special additive is incorporated, enabling microorganisms to recognize and break down the material when it ends up in soil, wastewater, or landfill.

Traditional flag fabrics contribute significantly to microplastic pollution. Flags are exposed to the elements every day and continuously shed small synthetic fibers. These microplastics are difficult to recover and quickly spread throughout the environment. CiCLO® breaks this pattern: the fibers do not persist as permanent microplastics but are broken down by microorganisms in natural environments such as soil and marine ecosystems.

While conventional polyester can lose up to 25% of its weight as microplastics, CiCLO® is designed to significantly reduce this impact. This makes it one of the most sustainable alternatives within the flag industry.

CiCLO® Flag 110 FR

TTS introduces a new generation of flags manufactured using 100% CiCLO® Technology. With the CiCLO® Flag 110 FR, we combine sustainability with the quality you have come to expect from us. The flags remain strong, durable, and colorfast, and perform reliably under a wide range of weather conditions.

At the same time, the environmental impact at the end of their lifespan is significantly reduced. This makes the flag not only a high-quality choice for visibility and appearance, but also a conscious step toward more sustainable use of materials.

Visit our website:
texo-trade.com

Strong Flags with More Sustainable Material

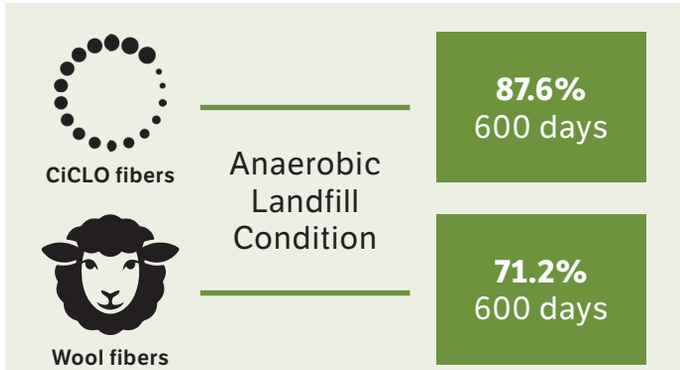
Independent testing according to ASTM standards shows that CiCLO® fibers can biodegrade by up to approximately 90%.

Thanks to the special fiber structure, this results in:
- Up to 96% fewer microplastics than standard flag fabric
- Approximately 92% degradation in seawater
- Approximately 91% degradation in soil

Traditional synthetic fibers remain largely intact under the same conditions and therefore contribute to the accumulation of microplastics.

CiCLO® FIBERS ARE PROVEN TO BIODEGRADE AT ACCELERATED RATES

Environment	Days	CiCLO® fiber biodegradation	Utreated fiber biodegradation
Waste water treatment plant sludge - ASTM DS210	847	88%	0%
Soil - ASTM D5988	1,171	91%	3%
Seawater - ASTM D6691	844	92%	5%
Anaerobic digester (Landfill) - ASTM DSS11	1,278	91%	6%



CiCLO fibers have a degradation time similar to wool fibers.

Texo Trade Services BV | Oostbaan 601 | 2841 ML Moordrecht | The Netherlands | **T** +31 182 62 39 44 | **E** sales@texo-trade.com | **W** www.texo-trade.com