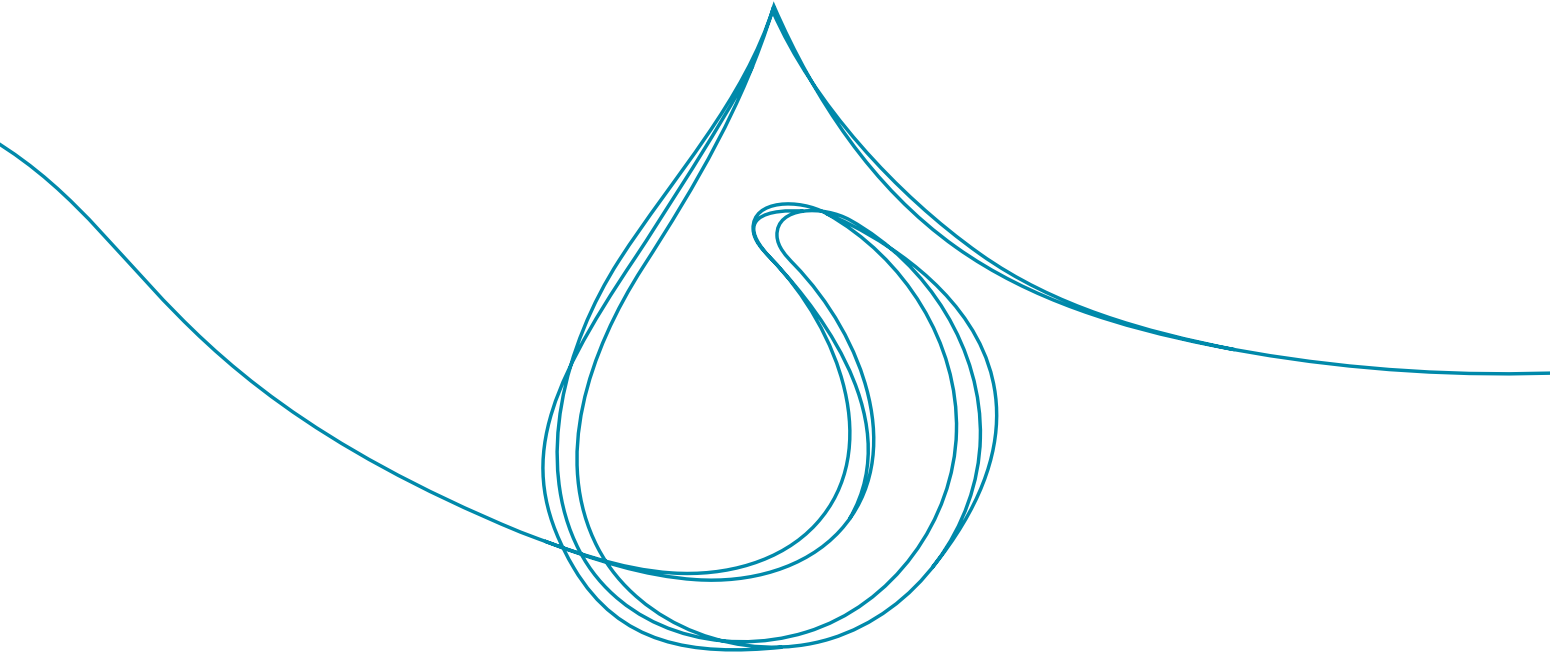


ECONYL® StayClean



Made with 100% Regenerated Nylon

ECONYL®



**For the first time,
stain-free carpets don't have
to come at the expense of
the environment**



STAIN-FREE CARPET

Stain-free carpets have never been so easy with the new ECONYL® StayClean fiber.

This solution dyed Nylon 6 fiber is made from 100% regenerated Nylon and ensures ultimate stain protection.

The **intrinsically stain-resistant yarn** carries unique polymer characteristics that last the entire lifespan of the carpet, guaranteeing an **easy water-only treatment**.



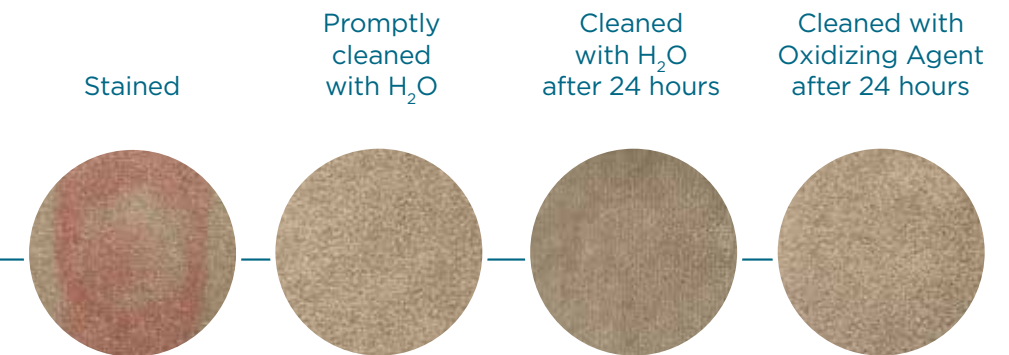


Stain:
RED Dye #40

STAIN	STAIN INITIAL VISIBILITY	PROMPT WATER CLEANING	WATER AFTER 24 HOURS	OXIDIZING AGENT AFTER 24 HOURS
RED Dye #40	3.0	5.0	4.5	5.0

1.0 = stain highly visible - 5.0 = stain completely invisible

ECONYL® StayClean has been tested with the unforgiving RED Dye #40 to assure complete stain removal. When treated promptly with water only, ECONYL® StayClean provides perfect results leaving no blemish behind. If ECONYL® StayClean can withstand the brutal RED Dye #40, it can withstand anything.



According to ISO 13750 (Determination of resistance to staining by acid food colors) ECONYL® StayClean passes tests thanks to its intrinsic anti-stain properties. It does not have a topical treatment.



Produced with a modified polymer, a special cross section and a state-of-art finishing technology, this **solution dyed Nylon 6 fiber** assures maximum cleanability and wear and tear resistance.

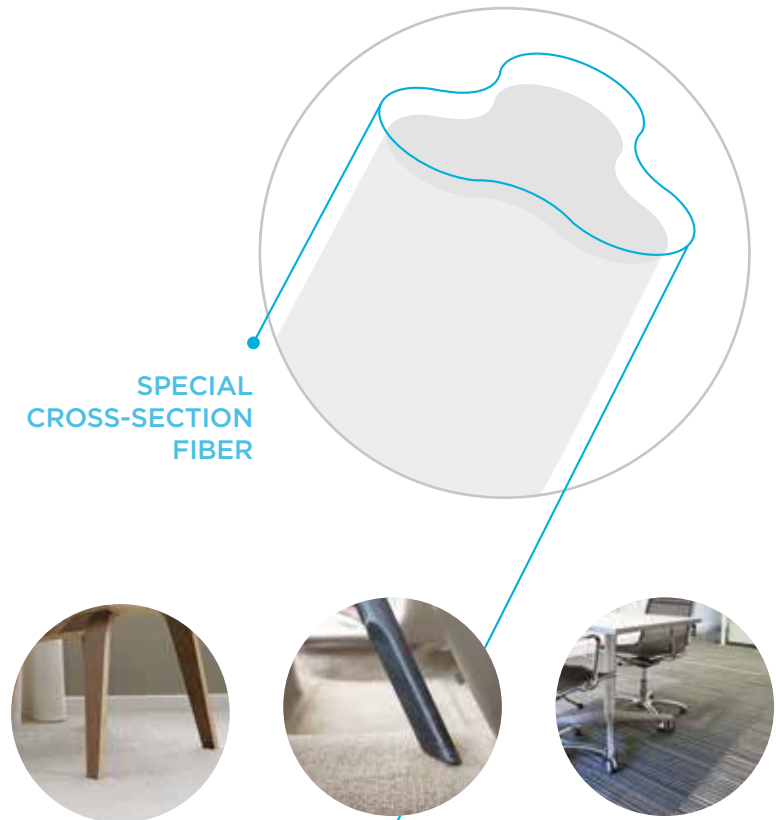
A TAILOR MADE YARN

Our special masterbatch guarantees:

LIGHT
FASTNESS

COLOR
FASTNESS

UV
RESISTANCE





The fiber of the future is here.

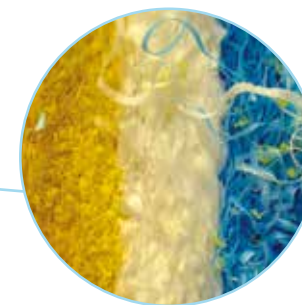
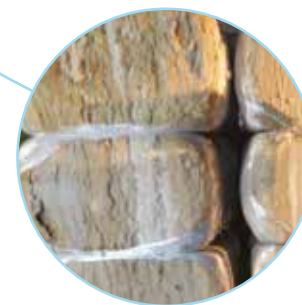
**100% REGENERATION
100% PERFORMANCE**

Made from **100% regenerated and regenerable Nylon**, ECONYL® StayClean comes with a guaranteed minimum of 50% post-consumer waste. We have developed an innovative and sustainable closed loop manufacturing system to produce new yarns from waste while preventing any downgrading in quality and performance.

Pre- and post- consumer Nylon 6 waste materials, such as production discards, industrial plastic components, oligomers, fishing nets, fabrics and spent carpets are recovered and undergo an extensive depolymerization process to create 100% regenerated ECONYL® Nylon.

In addition to recovered waste material, below are other benefits of using ECONYL® StayClean:

- Global Warming Potential is **reduced for up to 80%** if compared with Aquafil traditional products obtained from crude oil;
- Has a **negligible contribution of total carpet VOC.**



SUSTAINABILITY

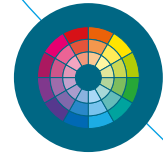


ECONYL® StayClean HOME

ECONYL® StayClean fiber is the ideal solution for **high-end residential** carpets. This solution dyed Nylon 6 fiber can be customized to fit any designer's color palette and create a unique, one-of-a-kind space.

At 7 DPF, **ECONYL® StayClean HOME** provides an added soft and luxurious look to make any residential space feel like a true home.

The days of PET, PTT and polypropilene home carpets are over. ECONYL® StayClean HOME is a unique Nylon 6 fiber that affords highly sought-after mechanical features with equally impressive cleanability properties.



CUSTOMIZED AND EXCLUSIVE COLOR OPTIONS TO FIT ANY DESIGN PALETTE
MASTERBATCHES PRODUCED BY AQUAFIL



SOFT AND LUXURIOUS LOOK AND FEEL
(7 DPF*)



AVAILABLE IN SMALL BATCHES
HIGH FLEXIBILITY



DEDICATED SERVICE MODEL WITH GUARANTEED LEAD TIMES



* dTex per filament



ECONYL® StayClean OFFICE

The design flexibility in addition to high performance are the right match for **commercial application**.

The non-photosensitive, non-soluble pigments guarantee light, water, shampoo and bleach fastness of more than 7 on the blue scale (ISO 105).

ECONYL® StayClean OFFICE special cross section minimizes soil adhesion while special delustering agents reduce soil visibility.

GLOBAL COLLECTION
AVAILABLE IN 170
COLORS WORLDWIDE



AVAILABLE
IN SMALL
BATCHES



DESIGN
FLEXIBILITY



DEDICATED
SERVICE MODEL



SHORT LEAD
TIMES



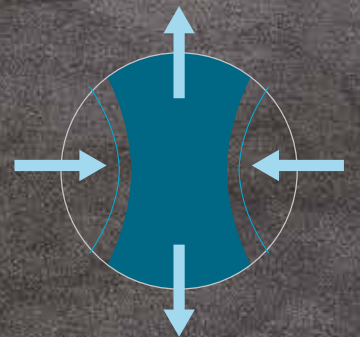
23 DPF *



* dTex per filament



The superior yarn elasticity minimizes flattening, carpet pile compression and deformation to ensure long-term appearance retention. The fiber tenacity and abrasion resistance prevent the filament from breaking to provide **excellent carpet durability**.



TEST RESULTS

We have developed a fiber with no topical treatment and the best anti-stain properties to allow for easy cleanability of acid stains and little upkeep.

STAIN	STAIN INITIAL VISIBILITY	PROMPT WATER CLEANING	WATER AFTER 24 HOURS	OXIDIZING AGENT AFTER 24 HOURS
COFFEE	2.0	4.0	3.5	5.0
RED WINE	2.0	4.5	3.5	5.0
SHOE POLISH	1.0	5.0	4.5	5.0
CHOCOLATE ICE-CREAM	1.0	5.0	5.0	5.0

1.0 = stain highly visible - 5.0 = stain completely invisible

Stain:
COFFEE

Stain:
RED WINE

Stain:
SHOE POLISH

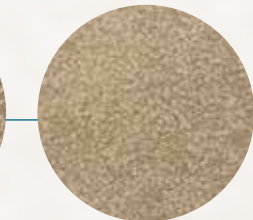
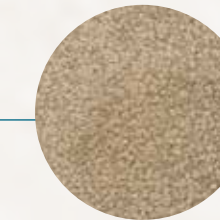
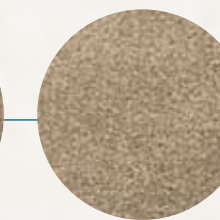
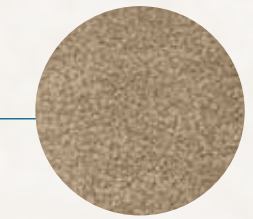
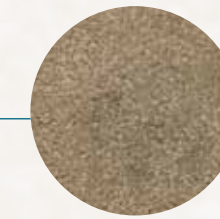
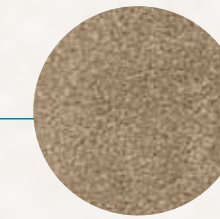
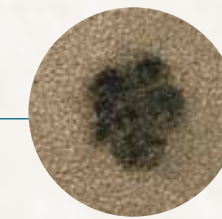
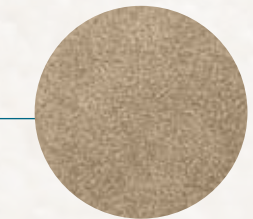
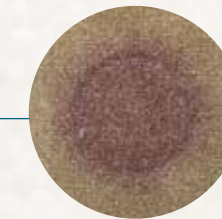
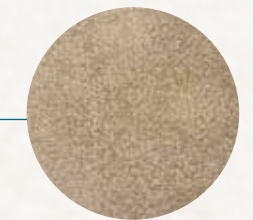
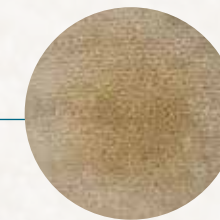
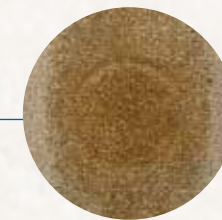
Stain:
CHOCOLATE ICE-CREAM

Stained

Promptly cleaned with H₂O

Cleaned with H₂O after 24 hours

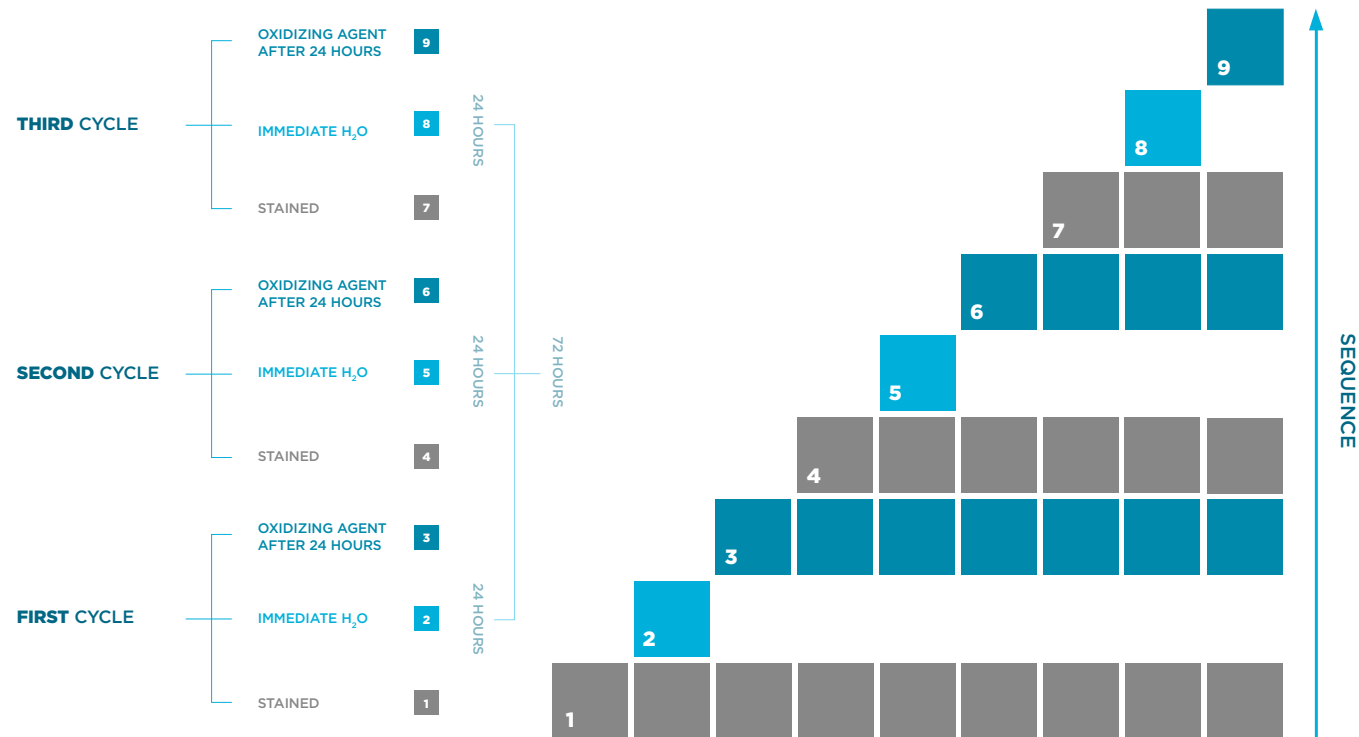
Cleaned with Oxidizing Agent after 24 hours



ECONYL® StayClean

Stain protection is permanently built into ECONYL® StayClean fiber, so carpet can be stained and washed several times, without losing anti-stain property.

These repeated staining tests prove that no topical treatment is needed to achieve outstanding performances.



REPEATED STAINING TESTS



TESTS METHOD:

Size of the carpet: 10 cm by 10 cm
Quantity of Staining Agent: 10 ml

Prompt cleaning with water only:
 Carpet staining
 Prompt rinsing with water, removing excess by vacuum extraction or centrifuge

Cleaning with Oxidizing Agent after 24 hours:
 Carpet staining
 Leave stain 24 hours drying on carpet
 Oxidizing Agent application on stain, removing excess after few minutes by vacuum extraction or centrifuge

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