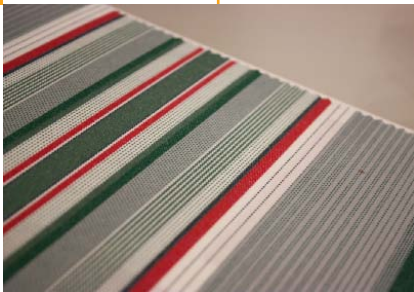




UV GUARD

UV Stabilized Yarn

fili PCY tutte le specifiche servizio di campionatura sviluppato un proprio sistema con differenti sezioni tipi di poliestere standard e modificati produzione di filati tinti in massa



- UV GUARD is a polyester stabilized to resist to solar radiation. It boasts a complete versatility in all the versions of solution dyed PET
- Stability and colour fastness are guaranteed
- Its residual resistance, after exposure, is comparable to traditional acrylic products
- Intrinsic properties of the polymers, without post-treatments
- Versatility in all the versions of solution dyed PET
- no degradation after maintenance processes
- This product is certified OEKOTEX standard 100 class 1
- No harmful substances

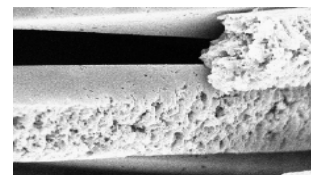
Stabilized Polymer: Intrinsic anti UV properties

Starlight® UV GUARD is a stabilized PET polymer able to reduce the polymer chain deterioration caused by UV rays. UV radiations damage polymer bonds of standard PET weakening its filaments. Starlight® UV GUARD absorbs and dissipates UV rays thus limiting the deterioration of the polymer

Effects of Solar Radiation

About 10% of the solar energy is in the form of Ultra Violet radiation. The atmosphere absorbs most of it, only 6% of the UV radiation reaches the Earth's surface

Name	Wavelength	%
Ultraviolet (UV)	295 - 400 nm	6,8
Visible (VIS)	400 - 800 nm	55,4
Infrared (IR)	800 - 2450 nm	37,8



Standard PET

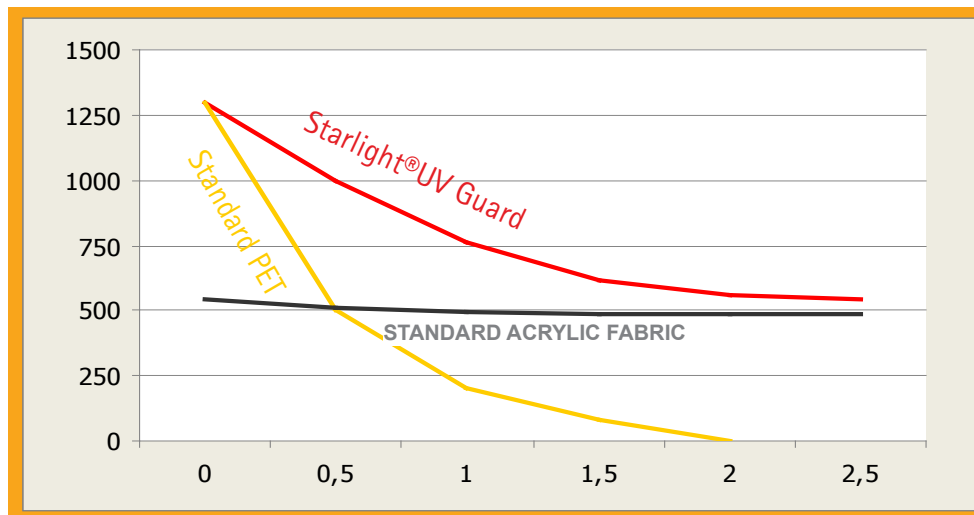


Starlight® UV Guard





Comparison of mechanical properties after exposure



- Tensile Strength in cN measured on air textured 600 dtex yarns
- Solar radiation at ISO 105-B04 Test corresponding to 2.5 years of exposure (Florida – US)

Dimensional Stability of Fabrics

Fabrics made with Starlight® UV GUARD are safe from folds and deformation sometimes occurring on the surface and along seaming lines

Safety and respect of the Environment

Starlight® UV GUARD contains no harmful substances, it is a certified OEKOTEX class 1 product. Noyfil SA, solution dyeing technologies: reduced water and energy consumption for the colouring of yarns

Applications, Sectors

Furniture	Automotive/Transport	Technical
Outdoor	Boating	Outdoor
Curtains	Seats	Covering
Covering	Covering	

Multifunctionality. Fungicidal activity and Anti-mold (UVGuard + Feel)

There is the possibility of adding to Starlight® UV GUARD also the flame retardant properties of Starlight® FR and / or combining the fungicidal and anti-mold functionality of Starlight Feel in order to avoid the formation of mold patches on the surface of fabrics exposed to external agents

