



FLAME RETARDANT PET YARNS

- ◎ Starlight® FR is a high-performance flame retardant (FR) polyester whose FR properties are incorporated into the polymer; no post-treatment is needed, and no deterioration occurs during maintenance treatments.
- ◎ It has complete versatility in all versions: solution dyed functionalized PET, UV Stabilized and Bacteriostatic as well.



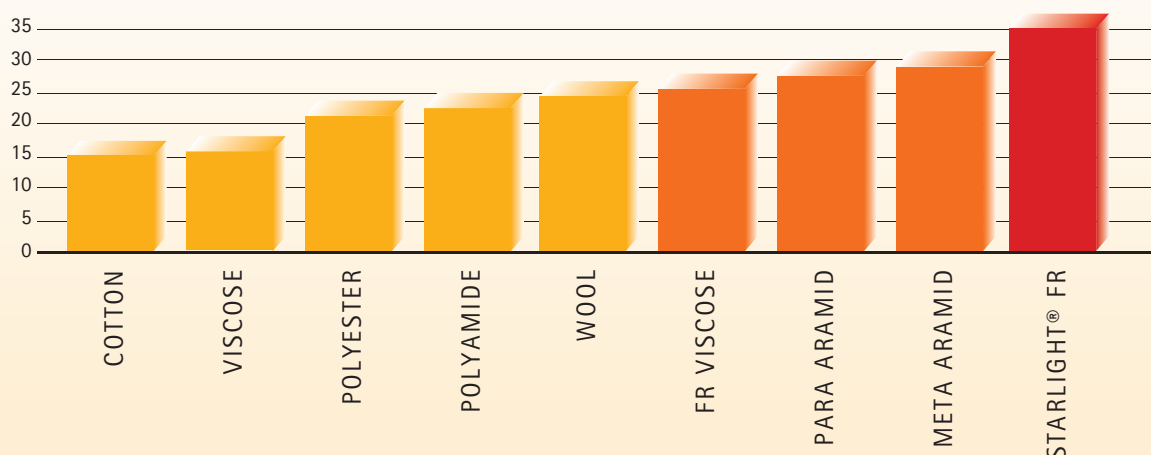
Modified Polymer: Intrinsic FR properties

The use of Starlight® FR allows to meet the requirements of specific FR classes depending on the conditions of the fabric.

MADE USING POLYMER — **ZeroXy™**
FLAME RETARDANT POLYESTER

Combustion: LOI Limited Oxygen Index

The flame retardant characteristics of a material are expressed by its LOI Index. The LOI indicates the minimum amount of oxygen required for a fibre to burn. The percentage of oxygen in the air is about 21%, fibres with a higher LOI tend not to burn. Starlight® FR can be ranged among fibres with a higher LOI value.





Certifications, Regulatory Framework

Products made with Starlight® FR yarns meet the requirements set by the main international standards as listed below:

COUNTRY	REGULATION	BODY	CERTIFICATION
Belgium	NF P92 503.4.5	Centexbel	M1
U.K.	BS 5867	BBTG	Type B
Italy	UNI 9177	CSI-CTS	Class 1
Germany	DIN 4102 part 1	TUV	B1
U.S.A.	NFPA701	Omega POINT	Passed
Denmark	IMO FTPC part 2	DIFT	Passed

The relevant legislation is complex and not fully unified at European and International levels; based on the markets and applications, several different test methods are required. Noyfil SA is ready to cooperate with its customers for passing any specific test required.

The complete eco-compatibility of additives and colours can be certified OEKOTEX Std 100 Class 1 upon request.



Safety and respect of the environment

Noyfil SA solution dyeing technologies: reduced water and energy consumption for the coloring of yarns.

Application, Sectors

FURNITURE	AUTOMOTIVE	APPAREL	TECHNICAL APPLICATIONS
Curtains	Seats	Protective	Coverings
Coverings	Coverings	Working	Filters
Table clothes	Contract	-	Nets
Contract	-	-	-

Multifunctionality

The flame retardant properties of Starlight® FR can be combined with the Bacteriostatic Functionality and/or the UV stabilizing effect.

