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SWICOSTOP

*FR Polyester High Tenacity Yarn -
Reinvented Flame Retardancy*

THE PROBLEM WITH EXISTING FR PET HIGH TENACITY YARNS

Flame retardancy (FR) in yarns has been existing for quite some time.

The problem, in the example of Polyester high tenacity yarns, is that the FR additives lower tenacity values and increase shrinkage. A high tenacity value and a low shrinkage are however the crucial characteristics of a good Polyester high tenacity yarn.

CHARACTERISTICS OF CLASSIC PET HIGH TENACITY YARN

	<u>without FR properties</u>	<u>with FR properties</u>
• tenacity	up to 70 cN/tex	50 - 55 cN/tex
• shrinkage	3%	5-7%
• LOI	abt. 20	> 26

HOW DOES **SwicoSTOP** REINVENT FLAME RETARDANCY?

SwicoStop is a flame retardant Polyester high tenacity yarn, developed in collaboration of Serge Ferrari Tersuisse SA with different partners. Unlike all other Polyester high tenacity yarn with flame retardant properties, SwicoStop does not compromise on values, as SwicoStop underlies a newly invented technology.

This enables SwicoStop to have flame retardant characteristics whilst providing the crucial characteristics of a Polyester high tenacity yarn, a high tenacity value and low shrinkage properties.

CHARACTERISTICS OF SWICOSTOP YARN (IN DTEX 550)

• tenacity	> 63 cN/tex
• shrinkage	< 4%
• LOI	> 26

SwicoSTOP - REINVENTED FLAME RETARDANCY

SwicoStop, the reinvented flame retardant Polyester high tenacity yarn, for when safety, reliability and optimal performance are required.

The exclusive combination of flame retardancy with the characteristics of an excellent PET high tenacity yarn enable your product to perform superior than any other product available on the market, to meet higher standards, to grant an increased sense of security for your customers.

SwicoStop yarns are suitable for all applications where outstanding execution and excellent protection are needed.

AVAILABILITY OF SWICOSTOP

dtex 280	production on order
dtex 550	production on order
dtex 1100	limited availability (trial state)

other counts available upon demand, please contact the Swicofil team.

Upon demand, it is further possible to apply the following finishing processes:

- **airtexturing**
enhancing the textile characteristics of SwicoStop yarns
- **twisting (single and multiple end)**
enhancing the strength of SwicoStop yarns
- **beaming**
apart from standard length very short beams with minimum length of 10m possible

CONTACT US

Interested in **SwicoSTOP**, the reinvented Flame Retardant Polyester High Tenacity yarn ?
Contact us!

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