



Serge Ferrari
TERSUISSE SA

INNOVATION THE FLEXIBLE WAY

POLYESTER PET HIGH TENACITY YARNS

Serge Ferrari Tersuisse SA, a former part of Viscosuisse SA and now a member of Serge Ferrari holding, is the company to contact in regard of yarn specialties in Polyester high tenacity (PET HT) for industrial applications. Being for several decades in this business, the company located in Emmenbrücke, Central Switzerland, is not only very well experienced but also knows everything about quality and service. Apart from a high qualitative and wide ranged standard program they are also able to create a yarn exactly matching your requirements, combining flexibility and velocity with the promise of Swiss quality.

PRODUCT OVERVIEW

Serge Ferrari Tersuisse SA products include the following yarn specialties:



RAW WHITE



FLAME RETARDEND



SPUNDYED (see separate brochure)



PLASMA (see separate brochure)

The possibilities for customization in PET HT yarn with Tersuisse include:

counts	dtex 150 - 20'000
colours	spundyed in various colours - see separate brochure
twists	single end or multiple end
beaming	standard length or very short beams (min. length = 10m)
specialities	<ul style="list-style-type: none"> • low wick prevention of liquid penetration in yarn for e.g. textile architecture • flame retardancy • FDA conformity for safe food contact applications like for sausage laces • extra UV stabilization long life for outdoor applications <p>as well as combination of characteristics based on your requests</p>

STANDARD PROGRAMME

Additional to custom tailored products, Tersuisse offers PET HT raw white as standard programme:

TYPE	152	156	158
counts (dtex)	150 f 48 280 f 48 950 f 192 1100 f 192	1100 f 192 1670 f 247 2200 f 315	550 f 104 830 f 140 1100 f 192 1670 f 247 2200 f 315 3340 f 315
tenacity	63 - 65 cN/tex	80 - 84 cN/tex	69 - 73 cN/tex
elongation	22 - 27 %	14 - 17 %	23 - 26 %
shrinkage (at 180°C)	2.8 - 3.5 % (for dtex 150: 5.5 %)	8.8 - 10.5 %	2.0 - 3.0 %
extra equipment	-	<u>food conformity</u> • dtex 1100 • dtex 1670	<u>low wick</u> • dtex 1100 • dtex 1670 • dtex 2200

To solve the problem of established PET HT flame retardant (FR) yarns - a low tenacity and a high shrinkage value - Tersuisse developed the FR type F401 / ‚SwicoStop‘. SwicoStop does not compromise on values but combines the crucial characteristics of a good PET HT FR yarn: low shrinkage properties and a tenacity value that surpasses other FR yarns by more than 30%.

TYPE	F401 (PET HT FR - ‚SWICOSTOP‘)
counts (dtex)	280 f 48 550 f 104
tenacity	62 - 65 cN/tex
elongation	24 - 25 %
shrinkage (at 180°C)	7 % (for dtex 280) 3.3 % (for dtex 550)
equipment	flame retardancy

Scan below QR code for more details on PET HT FR ‚SwicoStop‘ yarns:



FIELDS OF APPLICATION

Serge Ferrari Tersuisse SA supplies their products to various fields such as:

- solar protection
- tensile architecture
- acoustic protection
- modular structure
- visual communication
- protection & environment
- yachting
- medicine



Designed with style, constructed with quality: the 2018 World Cup Russia Rostov Stadium - completed with PET HT yarns by Serge Ferrari Tersuisse SA.

CONTACTS:



Expert in yarn and fiber specialities.

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