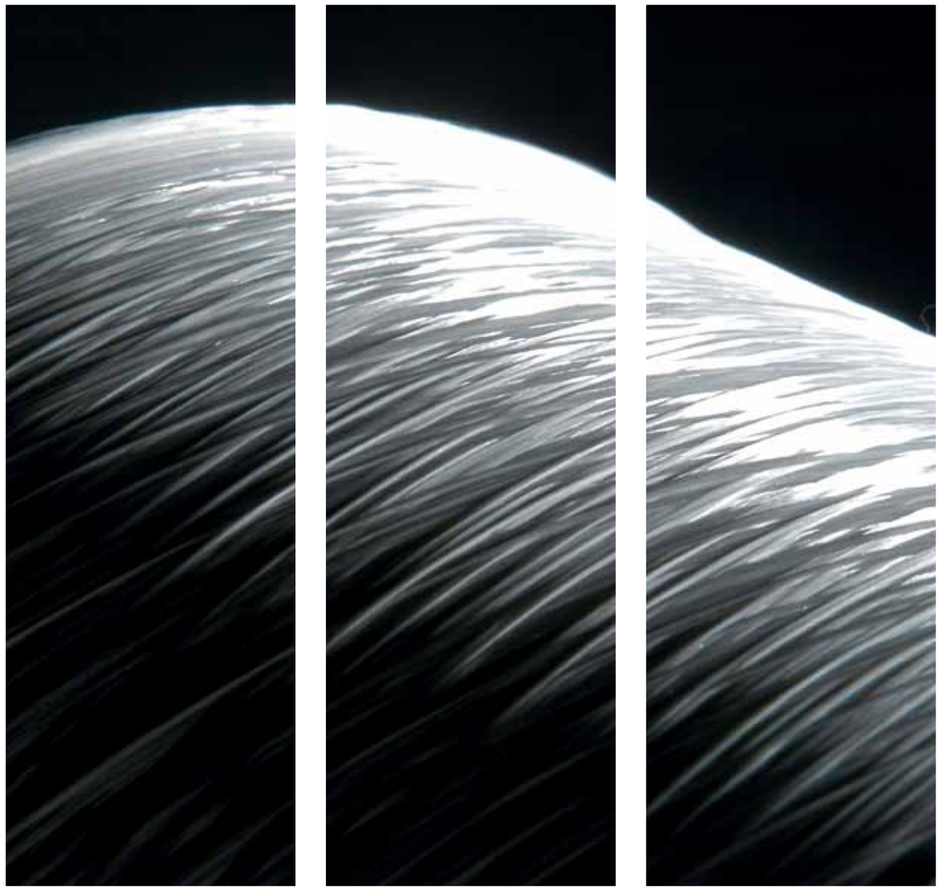
• Protection through innovation •



YARNS

SIOEN FIBRES

PACKAGING INFORMATION

Sioen Fibres uses standard tubes with internal diameter of 110 mm, height of 300 mm allowing you to process the yarns at high speeds.
Two different pallet types are available: plastic filmed pallet or cardboard boxes.
All pallets and intermediate sheets are to be returned to Sioen Fibres.

LABEL IN EACH TUBE INDICATING ARTICLE REFERENCE, WEIGHT, PRODUCTION DATE AND SPINNING POSITION		
LABEL ON EACH PALLET INDICATING ARTICLE DESCRIPTION, ARTICLE CODE, QUALITY GRADE, MERGE, COLOR TUBE, WEIGHT TUBE, PALLET NUMBER, NET AND GROSS WEIGHT IN KG.		
tube (internal diameter, height) twisted & untwisted	110 mm	300 mm h
tube (internal diameter, height) twisted yarns, on demand	94 mm	300 mm h
standard 14 kg bobbins - diameter	310 mm	
10 kg bobbins - diameter	260 mm	
7 kg bobbins - diameter	240 mm	
SFP1: standard plastic wrapped pallet	8 bobbins/layer	5 layers
SFP1: standard plastic wrapped pallet	100 x 120 cm	
SFP2: alternative plastic wrapped pallet	8 bobbins/layer	4 layers
SFP3: alternative plastic wrapped pallet	8 bobbins/layer	3 layers
SFP2/SFP3: alternative plastic wrapped pallet	100 x 120 cm	
SFP4: cardboard box		3 layers
SFP4: cardboard box	100 x 80 cm	

Please ask for the specific packaging conditions of the purchased goods. Alternative packaging can be done on request.

SIOEN FIBRES

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YARNS

SIOEN FIBRES

CUSTUMER MADE

Sioen has the most modern spinning mill in the world with an output of approx. 16.000 tons of polyester high-tenacity yarns. Some of the yarn is twisted in the twisting plant. Sioen produces low and normal shrinkage yarns in a range from 245 up to 6600 Dtex.

This table gives an overview of all the possible types of yarns that Sioen Fibres can produce. Sioen Fibres is known for its flexibility and willingness to make the tailor made product for your end-use. Do not hesitate to contact us for any inquiry, even if not suggested on this table.

PRODUCT RANGE

DTEX RANGE
245 > 6600
and further…
TWIST
V0 > Z, S > 40/60/80/100/130…250
TENACITY cN/DTEX
4 > 6-7 > 8,5
ELONGATION %
20-30 > 12-16 > 10
SHRINKAGE % (190° C)
<1,5 > 2-3 > > 9-19

Type PET (first digit)	Tenacity cN/Dtex	Type PET (second digit)	Shrinkage % 190°C	Dtex range	Filamentation quality level
1	< 6	2	2.5 – 4	245 - 6600	TBA
		3	4 – 10	245 - 6600	TBA
		4	10 – 14	245 - 6600	TBA
2	6 - 7	0	< 1.5	245 - 6600	TBA
		1	1.5 – 2.5	245 - 6600	TBA
		2	2.5 – 4	245 - 6600	TBA
3	7 - 8	2	2.5 – 4	245 - 6600	TBA
		3	4 – 10	245 - 6600	TBA
		4	10 – 14	245 - 6600	TBA
		5	> 14	245 - 6600	TBA
4	> 8	3	4 – 10	245 - 6600	TBA
		4	10 – 14	245 - 6600	TBA
		5	> 14	245 - 6600	TBA

TEST CONDITIONS

Tenacity, Elongation measured according BISFA International Standard on Textechno, without twist Shrinkage on Testrite: 190°C, 5 minutes with 9 g pretension. On-line filamentation quality detection.

ON REQUEST

Do not hesitate to ask for special counts, characteristics or twist. For the exact technical data and tolerances, the specific data sheets can be provided on request.

LOW SHRINKAGE YARNS

PET 12 / 20 / 21 / 22

Sioen Fibres produces today low shrinkage yarns in a range from 245 dtex up to 6600 dtex. Type PET20 and PET21 are very, very low shrink yarns. PET22 is our standard low shrink yarn. All yarns are available untwisted or twisted. The application areas are wide from coating, broad fabrics, narrow weaving and many other industrial end-uses.

NORMAL SHRINKAGE YARNS

PET 34 / 35 / 44

Sioen Fibres produces today normal shrinkage yarns in a range from 245 dtex up to 6600 dtex. All yarns are available untwisted or twisted. The application areas are wide from sailcloth, narrow fabrics, straps, hoses, geotextiles and many other industrial end-uses.

APPLICATIONS

GEOTEXTILE

High tenacity, high modulus and low creep properties keeping soil and rock in their place.

ROPES & HOSES

Adhesive Active Finish enhances rubber adhesion properties. High strength to weight ratios.

OFFSHORE MOORING

Marine finish application. High strength to weight ratios. Abrasion resistance to increase durability and life expectancy.

CONVEYOR

Adhesive Active Finish enhances rubber adhesion properties.

NARROW FABRICS

Slings, wraps,… good tensile strength with variety of elongations.

COATED FABRICS

High Tenacity, High Shrinkage (e.g. sailcloth) and Low Shrinkage (e.g. tarps) maximising fabric width and flatness after coating.