



ELAFIT

SPANDEX SPECIALTY YARN

The Global Innovator

ENGLISH



TAEKWANG
SYNTHETIC FIBER

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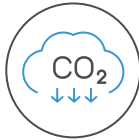


Certified with the highly regarded RCS(Recycled Claimed Standard), ELAFIT-ECO is an eco-friendly spandex manufactured by recycling the waste produced during the manufacturing process.

Characteristics



Eco-friendliness



Reduced
CO2 emissions



Energy saving

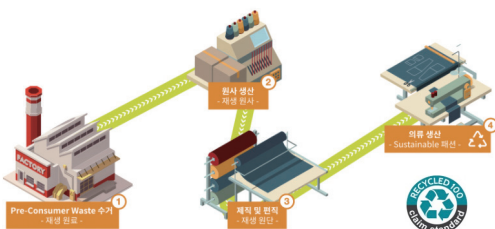
Specifications

-40, 70, 140

Applications

-Knitwear and fabrics

ELAFIT-ECO Recycle System



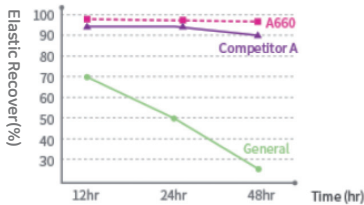


ELAFIT A660

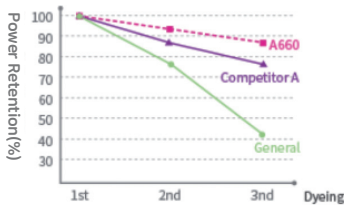
High heat resistance, anti-chlorine properties

Characteristics

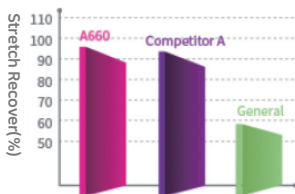
With high heat resistance and anti-chlorine properties this provides the most advanced functionalities for various kinds of fabrics. The excellent high heat resistance makes it suitable for dyeing at a high temperature, and the high-quality of the fabric is retained even after the re-dyeing process. The optimized recovery power gives flexibility to the fabric even after repeated usage or countless laundry. Especially, the anti-chlorine properties mean it can maintain the original elasticity and color during laundry.



Elasticity recovery after chlorine treatment (Chlorine concentration 20ppm)



Spandex power retention after dyeing



Stretch recovery after chlorine treatment (20ppm x 24hr)

Specifications

- SD | 20, 30, 40, 55, 70, 90
- CL | 15, 20, 30, 40, 70, 105

Applications

- Swimsuit, yoga clothes, sportswear



ELAFIT
B883

Comfortable wearable feeling

Characteristics

'Perfect fit achieved by excellent shape retention and recovery'

High warping performance and even quality

The ability to manufacture high-quality products in different deniers between 140D to 2300D depending on the customers' needs. Excellent production efficiency due to the outstanding unwinding property and workability. Retains the shape stability and ability to recover over a long period and provides a flexible and comfortable fit.

Specifications

-140, 210, 280, 420, 560, 840, 1120, 1680, 2300

Applications

-Raschel, Mesh, Elastic tape, Diaper, Medical bandage



ELAFIT B883

High Modulus and High Power

Characteristics

Most commonly used high-strength and high-elongation fabric
Excellent shape retention due to high elasticity and thermosetting.
A wide range of applications including knitting and covering
due to its highly competitive strength and elongation.

Specifications

-70

Applications

-Circular knitting, Warp knitting, Woven fabrics, Covering

Covering, Draft ratio for the circular knitting machine speed and usage		
Usage	Draft Ratio	Speed
covering	3.5~4.0	600~700m/min
CK	3.0~3.4	24RPM



ELAFIT BLACK

High heat resistance black yarn

Characteristics

- Superior expression of the black color
- Excellent color fastness and uniform color expression
- Possible for dyeing at high temperatures due to an outstanding heat resistance

Concentration Comparison



Polyester + Spandex



Competitor



Taekwang

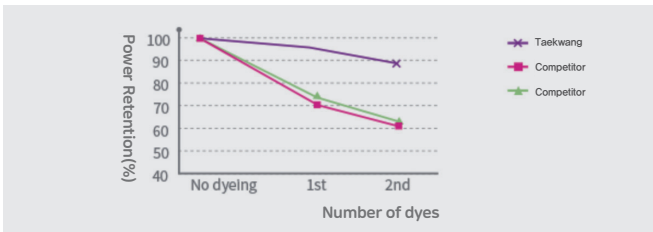


Competitor

100% Spandex(dissolve polyester)

Sortation		Taekwang	Competitor
Color depth	PET+Black Spandex	100%	95%
	100% Black Spandex (After PET dissolution)	100%	97%

Comparison of the high heat resistance



Specifications

-20, 30, 40, 55, 70, 140

Applications

-Underwear, Sportswear, Socks, Yoga clothes, T-shirts, Suits



ELAFIT For Diaper

Soft stretch and excellent unwinding properties

Characteristics

- Technology:** OVER 40 years of expertise in spandex production
- Quality stability:** Applicable to both the OETO and RTO
- Denier stability:** Possible to provide customized products

※ACEPORA is a globally recognized brand with high-quality production through its consistent development and improvements in product quality.

Specifications

Denier	420/560/620/720/840 (All types of denier can be produced)
Packaging	2.7kg/roll(16.2kg/Box) 3.0, 4.5kg/roll(18kg/Box)

stability

Testing items	Requirement	Evaluation
pH	4.0~9.0	PASS
Formaldehyde	< 75mg/kg	PASS
Flourescent	No fluorescent	PASS
Arylamine	< 20mg/kg	PASS
PCP	< 0.5mg/kg	PASS
Heavy metal	< 1.0mg/kg	PASS

※All test is measured by KS K ISO standard, (Korea Standard)

Dyeing and processing condition guide

Dyeing

Type	Companion Yarn	Temp. x Time	Recommended Dye Stuff
B883	Cotton Rayon Nylon PET	95°C x 60min 95°C x 60min 100°C x 60min 125°C x 60min	Direct Reactive Acid Disperse
A660	Cotton Nylon PET	95°C x 60min 100°C x 60min 130°C x 60min	Direct Acid Disperse

Heat Setting

–Recommended heat setting conditions

Type	B883	A660
PET	185°C x 1min	195°C x 1min
Nylon	185°C x 1min	190°C x 1min
Cotton	185°C x 1min	190°C x 1min
Acetate	185°C x 1min	190°C x 1min

Product and packaging unit

Denier	Luster	Wt'(gr) /ch	Wt'(kg) /CTN	Wt' /Container (kgs in 20ft, 40ft)	Type	Factory	REMARK
15De (16.5dTex)	CL	400	19.2	5,472kg, 11,136kg	A660	China	-
20De (22dTex)	CL SD Black	550	26.4	7,524kg, 15,312kg	A660	China	-
30De (33dTex)	CL SD Black	550	26.4	7,524kg, 15,312kg	A660	China	-
40De (44dTex)	CL	550	26.4	7,524kg, 15,312kg	B883	China	-
	CL SD Black	550	26.4	7,524kg, 15,312kg	A660	China	-
50De (60.5dTex)	SD	550	26.4	7,524kg, 15,312kg	A660	China	-
70De (77dTex)	CL	550	26.4	7,524kg, 15,312kg	B883	China	-
	CL SD Black	550	26.4	7,524kg, 15,312kg	A660	China	-
140-280De (154-308dTex)	CL	1000	24	6,840kg, 13,820kg	B883	China	-
420-2200De (462-2420dTex)	CL	1000	22	5,170kg, 11,000kg	B883	China	-
Diaper	CL	3000	18	4,320kg, 8,640kg	B883	China	-

Certifications



RCS(Recycled Claim Standard) / OEKO-TEX STANDARD 100



ISO14001



ISO9001



Wechat QR code