

TEXTILE FILAMENTS

Our products

Enka offers nylon filaments, polyester filaments and blends under the brands KAYLON® and CORLEN®.

KAYLON®

Our products allow our customers to develop innovative apparels that meet the new healthy life styles required for increased versatility, comfort and performance.



Nylon 6 POY filaments, textured by friction and air, twisted and blended with elastomers, used for sportswear, underwear, outerwear, swimsuits, lingerie and hosiery, among others. KAYLON® textile filaments provide yarns for apparels with a great hand, flow and shape..

These filaments provide excellent properties, such as:

- Softness and comfort
- Elasticity
- Flexibility
- High volume
- Resilience
- Abrasion resistance
- Fastness to most chemicals
- Easy care and excellent dyeing performance



For false-twist textured filaments(TX), it can be produced from 1 to a maximum of 6 strands and at different compaction levels (low, medium, high) or even without compaction, depending on its end use.

For flat filaments (LS), it occurs in three levels of compaction (low, medium, high).

We produce twisted filaments (RT *) from flat or false-torsion textured products, between 80 TPM and 160 TPM (Twists per meter).

	TYPE	EKO	BIO	LUSTER			TWISTED OPTION
				BR	SM	UM (UV+)	
KAYLON	90F24	POY			●		
	44F15				●		
	78F24				●		★
	78F36	TX			●		
	110F24				●		★
	78F68				●	●	
	78F24	LS			●		
	78F36				●		
	110F24			▲	●		
	220F72			▲			
	200F136	ATY				●	
	220F136					●	
	78F24	TX ELT			●		
	78F68					●	
	200F136	ATY ELT				●	

* FOR "ELT" PRODUCTS IT IS POSSIBLE TO COAT WITH SPANDEX BETWEEN 22 AND 78 DTEX



Quick drying,
color and brightness,
tenacity

Products that give value to brands



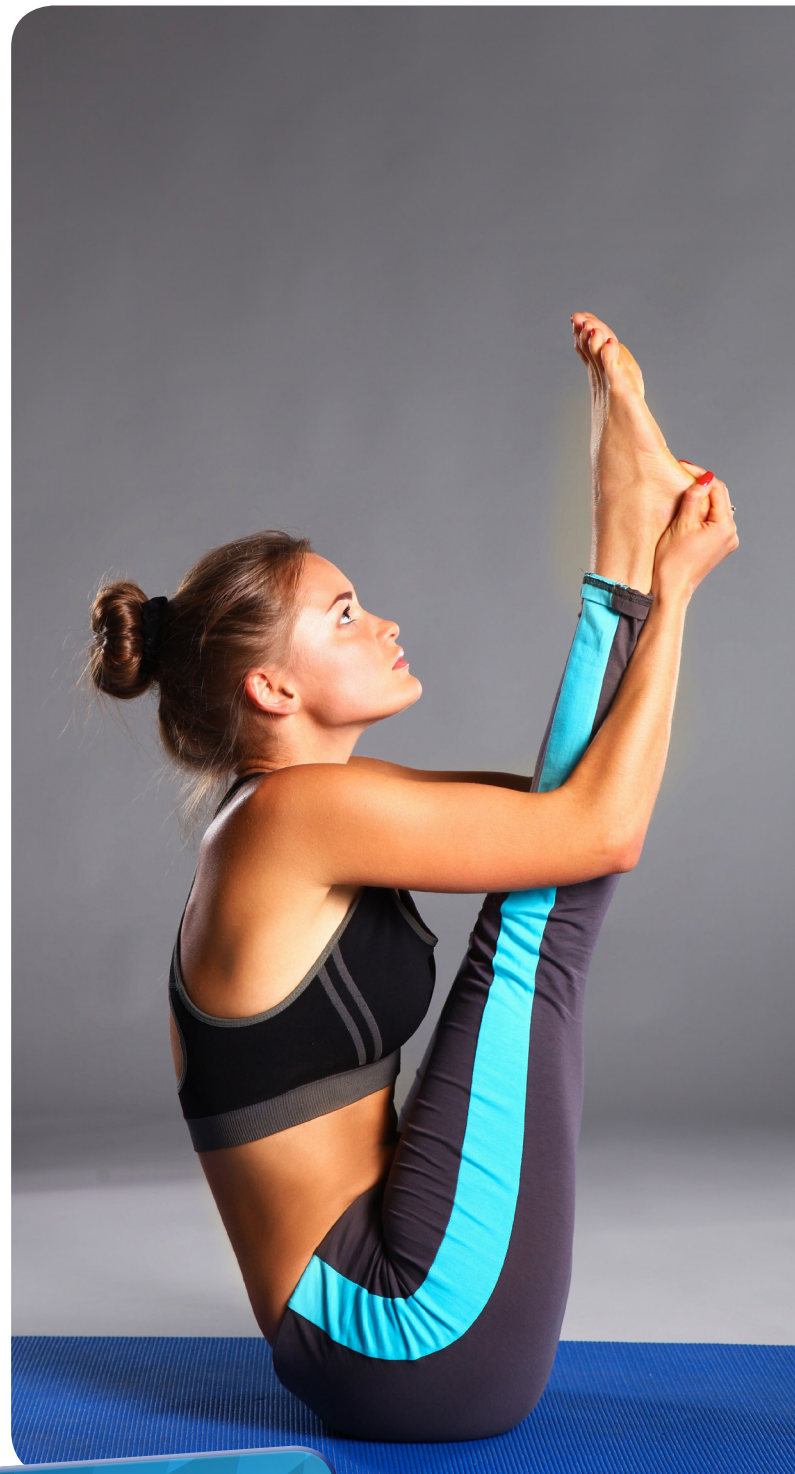
Raw and dope-dyed polyester used in POY processes, flat, textured by friction and textured by air, twisted and in blends with elastomeric yarns. Used for underwear, outerwear, home fabrics, automotive upholstery, coated fabrics, trimmings, laces and zippers, among others. CORLEN® textile filaments provide versatility and functionality to apparels.

CORLEN® provides the following properties:

- Quick drying
- UV ray protection
- Wrinkle protection
- Increased volumen and coverage in fabrics
- Easy care

High technology that contributes to textile functionality

For false-twist textured filaments(TX), it can be produced from 1 to a maximum of 6 strands and at different compaction levels (low, medium, high) or even without compaction, depending on its end use.



Fitness, comfort,
versatility

For flat filaments (LS), it occurs in three levels of compaction (low, medium, high).

We produce twisted filaments (RT *) from flat or false-torsion textured products, between 80 TPM and 160 TPM (Twists per meter).

	TYPE	EKO	BIO	LUSTER			TWISTED OPTION
				BR	SM	UM (UV+)	
CORLEN	130F48	POY				●	
	305F48					●	
	130F48	POY MB				●	
	305F48					●	
	63F32					●	
	78F32					●	
	78F48						
	110F32					●	★
	167F36	TX				●	★
	167F48					●	
	76F72		■			● / +	
	96F96			■		●	
	167F144					●	
	167F48	TX MB				●	★
	200F144	ATY	■			●	
	84F36					▲	★
	167F72	LS				▲	
	330F70					●	
	330F144						▲
	167F48					●	
	167F144	TX ELT				●	
	76F72		■			●	
	96F96					●	
	78F48	TX ELT MB					
167F48					●		
200F144	ATY ELT				●		

* The Corlen LS 330F70 product is called Semi Industrial Use.

* For ELT products it is possible to cover with spandex between 44 and 156 dtex.

Safety,
Quick drying



Free movement,
Easy care



Jaspe



Support, comfort,
freshness

Friction and air-textured filaments, and blends with elastomeric yarns, in combination of KAYLON® and CORLEN® (microfibers, cationic polyester and dope-dyed), which provide a jaspe appearance on apparels to optimize the textile design. Primarily used in sportswear, underwear and outdoor.

Quick drying

Enka offers microfibers in its CORLEN® and KAYLON® products, which not only provide a soft and pleasant touch to fabrics, but also optimize moisture management due to the action of its multifilaments, which allow a quick and better evacuation of moisture.

The properties of our blends are listed below:

- Soft hand
- UV protection
- Quick and easy drying
- Comfort
- Versatility
- Increased volume and coverage on fabrics

	TIPO	EKO	BIO	POLÍMERO				LUSTRE /luster		
				PA	PES	PES NG	PES C	BR	SM	UM (UV+)
BICOMPONENTES	150F108								●	
	150F120								●	
	167F104								●	●
	167F116								●	●
	167F140								●	●
	167F72							▲	●	
	178F72							▲	●	
	100F47								●	
	130F63								●	
	130F87								●	
	190F116								●	●
	190F120								●	
	200F144								●	

Descriptions and conventions

Lines	
POY	Pre oriented yarn
FY	Fully oriented yarn
LS	Flat
RT	Twisted
TX	Texturized
ELT	Elastomeric yarn
ATY	Texturized by air
EKO	Recycled PET

Luster	
BR	Bright
SM	Semi dull
UM	Ultra dull
NG	Black
CD	Cationic + Disperse dye
C	Cationic

Elasticity	
HE	High Elastic
ST	Set

Cross Section	
PR	Profiled (Trilobal)
MP	Multiprofiled
RD	Round: not usually used in product description

Drawing Process	
DW	Draw Winding From draw winder with coil wrap. Shown in product description
DT	Draw Twister From ring winder with cops wrap. Not shown in product description

Air Protection Level: Textured Filaments	
EL	Intertwined - soft Compacting to protect the yarn when worked on circular knitting or flat woven wefts.
IL	Interlacing - good level Compacting and stability at tangling for applications in: knitting warps, sizing flat woven warps, flat woven wefts, etc.
PPY	Producer Protected yarn - Compacted with a high level and stability in tangling. Used with out sizing on flat woven warps
PL	Ply loc - Filaments folded and protected by air

Air protection levels: Flat Filaments	
LTG	Low Tangling
TG	Tangling
HTG	"High Tangling"

Others	
TPM	Twists per meter
CM	Coil diameter unit in centimeters
KF	Knot free

Specialties	
MF	Corlen texturized microfiber With a dpf <= 1.0 decitex. Its low dpf provides fabrics a particularly soft and silky hand.
MP	Multiprofiled A continuous filament of textured multilobal Corlen which provides an opaque appearance and increasingly dull lusters compared to normal filaments.
TY	Teased yarn Bright textured filament
ELT	Coated elastomeric yarn A continuous filament of Corlen or Kaylon which provides high elasticity with dimensional stability.

Finishes	
FIL	Sewing
UV+	Sun protection. Depends on type of woven.

Presentation	
COP	Presentation in metallic tube COP