



# Thai Polyester Company

PSF (Polyester Staple Fiber)  
POY (Partially Oriented Yarn)  
FDY (Fully Drawn Yarn)  
DTY (Draw Textured Yarn)  
Twisted Yarn  
Monofilament  
Dope dyed  
Ring-spun  
Open-end  
100% Recycled Polyester









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# Who we are

## Thai Polyester Company (TPC)

Thai Polyester Company (TPC) is a leading polyester fiber and yarn manufacturer in Thailand. The company has proficiently provided a wide range of fiber and yarn products such as POY, FDY, DTY, staple fiber, and spun yarn in raw white, mélange, and dope dyed yarn-dyed. Our textile applications respond to customers in different industries.





# Business group



## Thai Polyester Co.,Ltd

produces polyester fiber and yarn such as POY, FDY, DTY, staple fiber, and spun yarn, both yarn-dyed and dope dyed. The annual production capacity is 350,000 metric tons. In addition, yarns and other supplements are forwarded to Jong Stit Co., Ltd., a Polyester Fabric Manufacturer Supplier & Wholesaler, producing various types of virgin and recycled polyester fabrics.



## Jong Stit Co.,Ltd

is a well-recognized polyester fabric supplier with a total capacity of 72,000 metric tons annually. The manufacturer is located in Samut Sakorn, Thailand, which contains the production facilities and the sales office. For this reason, our sales team can provide prompt, premium service and quick responses to our clients.

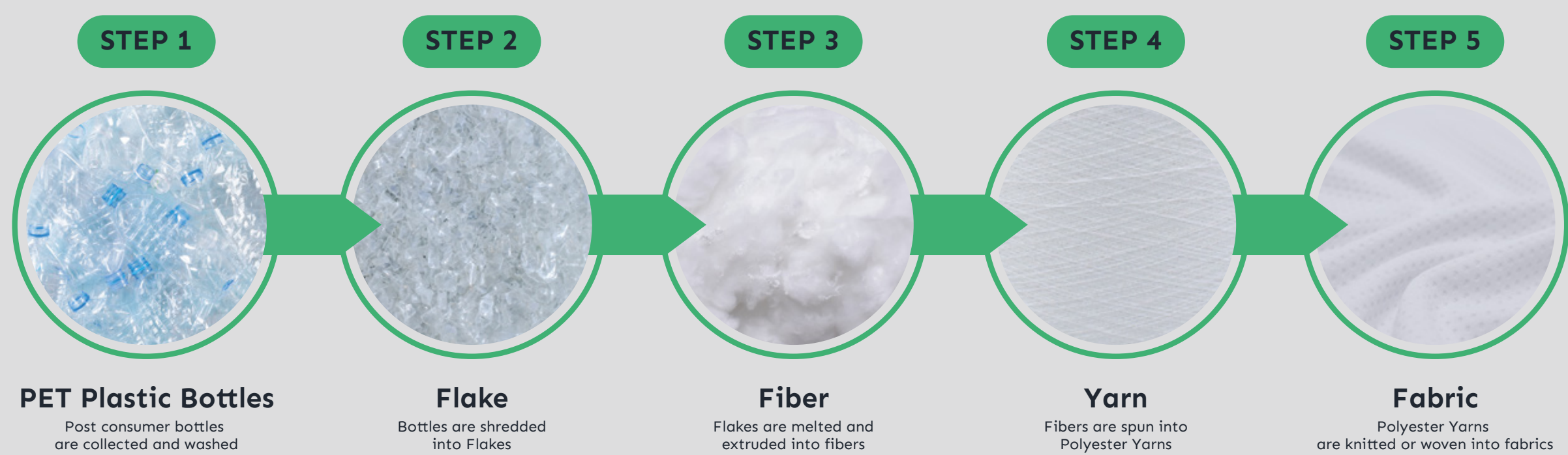


## Fashion Hometex Co.,Ltd

produces blankets and other premium products such as pillowcases and dolls. Our polyester finished products are certified by OEKO-TEX 100, the international standard.



# Sustainability



TPC is also well known as a recycled polyester supplier of fiber and yarn. The company has developed a new product line called “EcoTPC,” a Thai sustainable brand. It originated from PET bottles, fabric, and yarn waste regenerated into polyester yarn. Our products are certified by Global Recycled Standard. Therefore, the customers can track back on our recycled fiber and yarn composed of 100% post & pre-consumer depending on customer requirements.



# Why choose us

## Your Priority is Our Intention

- High-Quality

We produce high-quality products with German technology and the world's top machinery. In addition, the company supplies various types of fiber and yarn in virgin and recycled.



- Innovative Product

We emphasize our products through research and development by leading-edge process technologies in all production processes to serve consumers with top quality.



- Quick Response

The most important thing in providing excellent customer service is responding promptly and professionally. Therefore, customer satisfaction is our priority.



- Competitive Price

Due to the high competition in the global market, we offer high-quality yarns at a reasonable price because we are one of the biggest vertical polyester yarn and fiber suppliers in Thailand.





# Our Products



## Polyester Staple Fiber (PSF)

is made directly from PTA & MEG through the spinning and fiber line process. PSF is used for the spinning process of Spun Yarns, such as Ring Spun and Open End. There are two main specs of PSF; 1.2 Denier for general requirements and 1.0 Denier for a special product that requires a high softener and durability.



## Fully Drawn Yarn (FDY)

is produced by a process similar to POY. However, the yarn is produced at higher spinning speeds coupled with intermediate drawing integrated into the process. FDY can be knitted or woven with other filament yarn to get various fabrics. For industrial applications requiring uniformity, consistent tenacity, elongation, and shrinkage.



## Partially Oriented Yarn (POY)

is the first yarn made directly from PTA and MEG using the spinning and take-up process and mainly used in texturizing to make textured yarn (DTY).



## Twisted Yarn

is the spiral arrangement of the fibers around the axis of the yarn. The twist binds the fibers together and contributes to the yarn's strength. The firm produces two types of Twisted Yarn; S Twist or Left –twist and Z Twist or Right-twist.





## Drawn Textured Yarn (DTY)

is a textured yarn product. It is made from POY by the texturizing process by spindle machine. It is the most used texturing process in the textile industry owing and can be manufactured in various colors, texture creating a natural feel, high durability, and retention properties.



## Ring-spun

is made by twisting and thinning the polyester strands to make a fine, strong, soft rope of polyester fibers.



## Monofilament

is also known as single polyester yarns, mother yarn for splitting. This product is made from FDY. Due to TPC being vertical polyester yarn manufacture, the quality of Monofilament has been controlled since FDY process. There are only 2 Deniers; 20/1 and 30/1. Monofilament yarns provide a soft touch and good physical properties.



## Open-end

the fiber sliver is separated into single fibers. An air stream brings the separated fiber material to a collecting surface from which it is drawn off while being twisted.



PRODUCT LIST

# Polyester Filament Yarn

YARN TYPE	D/F	LUSTER	TYPE	COLOR
Partially Oriented Yarn (POY)	125/36,125/72,125/144	SD	Virgin & Recycled	RW,DDB
	165/36, 165/48			
	260/48,260/96, 260/144,260/288			
	500/96			
Draw Textured Yarn (DTY)	75/36,75/72,75/144	SD	Virgin & Recycled	RW,DDB,DYED YARN
	100/36,100/48,100/96			
	150/48,150/96, 150/144,150/288			
	300/96			
Fully Drawn Yarn (FDY)	20/1,30/1	SD,TBR	Virgin & Recycled	RW,DDB
	40/18,50/18			
	75/36,75/72			
	100/36			
	150/48,150/96,150/144			
	300/96			
	200/10,300/10			
Twisted Yarn (DTY)	75/36/1 (Low - High Twisted)	SD	Virgin & Recycled	RW,DDB,DYED YARN
	100/48/1 (Low - High Twisted)			
	150/36/1 (Low - High Twisted)			
	150/36/2 (Low - High Twisted)			
	150/48/1 (Low - High Twisted)			
Twisted Yarn (FDY)	75/36/1 (Low - High Twisted)	SD,TBR	Virgin & Recycled	RW,DDB,DYED YARN
	100/36/1 (Low - High Twisted)			
	150/48/1 (Low - High Twisted)			



# Polyester Spun Yarn

YARN TYPE	NE	LUSTER	TYPE	COLOR
OE SPUN	10/1,12/1,14/1	SD	Virgin & Recycled	RW, DDB, MELANGE, DYED YARN
	18/1,20/1			
	10/2			
	20/2			
RING SPUN	18/1,20/1	SD	Virgin & Recycled	RW, DDB, MELANGE, DYED YARN
	18/1,30/1,32/1			
	10/2			
	20/2			
	30/2			

# Polyester Fiber

FIBER	DENIER	CUT LENGTH (MM)	TYPE	COLOR
PSF Virgin	*1.0,1.2*	32,38,44,51	Virgin	RW, DDB
	1.4			
PSF Recycled	*1.2*	32,38,44,51	Recycled	RW, DDB
	1.4			







**Recycled products with GRS certificate** our Recycled products come from 2 sources: PET post-consumer bottles and fabrics waste & yarn. It depends on customer requirements. Our products are guaranteed by the Global Recycle Standard (GRS) was originally developed by Control Union Certifications.

**Dyed yarn** is made by dyeing process at the dyeing machine which is made a small order as to the size of the machine.

**Dope-Dyed Black yarn** is created by adding a black masterbatch colorant to the polymer melt in spinning or extrusion. This results in fibers and filaments being fully impregnated with pigment coming out of the spinnerets in a one-step process. The strength of the dope-dyed black yarn is wet fastness property and competitive price.

**Semi dull** is a white and slightly opaque polyester type.





## A wide-angle photograph of a paper mill's interior. The scene is dominated by rows of large, green industrial machines. Each machine has a prominent white spool of material, likely paper or fabric, being processed. Above the machines, a complex network of large, grey, flexible pipes runs across the ceiling and walls. The floor is marked with yellow and black hazard stripes. The lighting is bright and even, highlighting the industrial environment.



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