

Thai polyester

PSF (Polyester Staple Fiber)
Filament yarn
POY (Partially Oriented Yarn)
FDY(Fully Drawn Yarn)
DTY(Draw Textured Yarn)
Twist Yarn
Monofilament
Dope dyed
Spun Yarn
100% Recycled Polyester

Company Profile & Catalog



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Who we are |
Thai Polyester Company (TPC)

Thai Polyester Company (TPC) is a leading polyester 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.



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Business group



Thai Polyester Company (TPC)

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



Jong Stit Co., Ltd.

is a well-recognized polyester fabric supplier which a 72,000 tons capacity annually. The manufacturer is based 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 response to our clients.



Fashion Hometex Co., Ltd.

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



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Sustainability

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

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Why chose us

• High-Quality, One-Stop Service

We produce a high-quality product with German technology and provide the best one-stop service. In addition, the company supplies various types of fibers and yarn in virgin and recycled. Customer satisfaction is our priority.

• Innovative Product

We emphasize our products through research and development by using up-to-date technology in all production processes to serve international consumers.

• Quick Response

The most important thing in providing excellent customer service is responding promptly and understanding the customer's requirements.

• 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.





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Certifications







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Products What we do

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.





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).

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.





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.

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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.





Twist 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 Twist yarn; S Twist or Left –twist and Z Twist or Right-twist.

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





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.

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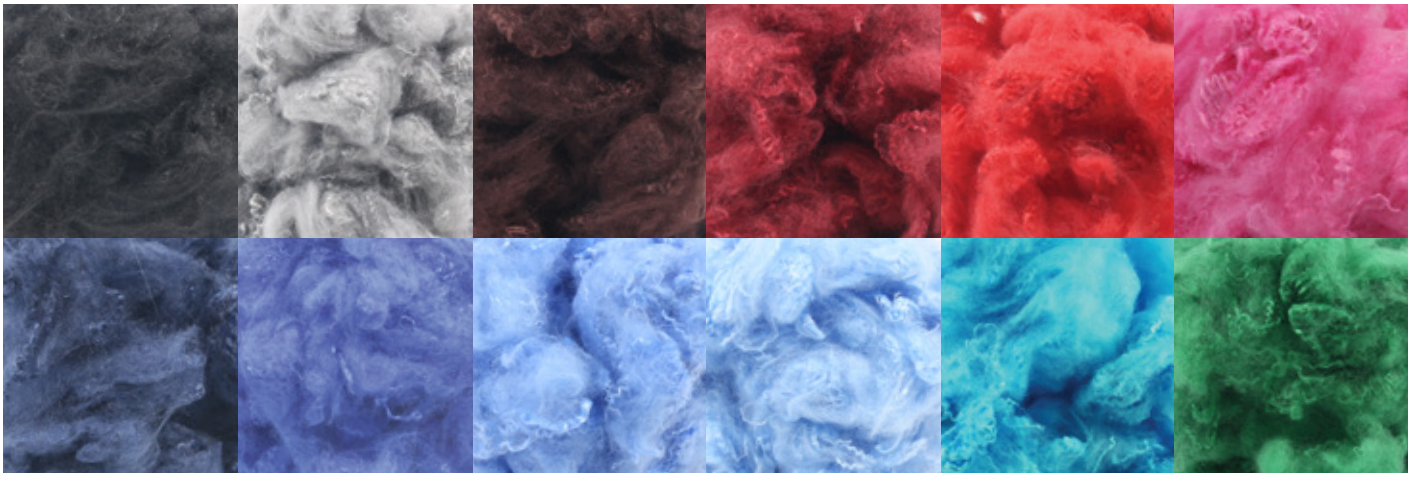


Recycled products with GRS certificate - our Recycled products come from 2 sources: PET post-consumer bottle and fabrics waste & yarn. It depends on customer requirements. Our products are guaranteed by the Global Recycle Standard (GRS) was originally developed by Control Union Certifications.

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.





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100% POLYESTER YARN

YARN TYPE	D/F	LUSTER	TYPE	COLOR
Partially Oriented Yarn (POY)	85/36	SD	Virgin & Recycled	RW,DDB
	125/36,125/72,125/144			
	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)	40/18,50/18	SD,TBR	Virgin & Recycled	RW,DDB
	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)			

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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			

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



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