

MONOLON



INDUSTRIAL YARN

Polypropylene Multifilament
Polyester/Nylon/Polypropylene/Bio Monofilament

Dong Sun Synthetic Fiber Co., Ltd.
Dong Sun Mono Co., Ltd.

The background of the entire page is a close-up, slightly blurred photograph of several large spools of synthetic fiber. The spools are in various colors: a large teal one at the top, a bright orange one in the foreground on the right, a red one on the left, and a blue one at the bottom left. The fibers themselves have a distinct woven texture.

MONOLON



DONGSUN SYNTHETIC FIBER CO., LTD.
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Company Profile

Dongsun Synthetic Fiber Co., Ltd.

Dongsun Synthetic Fiber Co., Ltd. has been professionally manufacturing and providing synthetic fiber yarn for industrial materials in both domestic and global markets of more than 100 countries by extruding polypropylene which is one of the four typical plastic (nylon, polyester, polypropylene, polyethylene) materials with the best quality and service since its founding in 1973 for more than 40years.

Through a lot of trial and error and research and development, we have developed the high value-added specialty yarns such as fabric for construction safety nets which are used for the construction of Apartment, building and bridge etc and industrial fabric which is used for the construction of high way and dam etc from the market which was limited to the use of such as yarn for shoes, bags, belts and general sewing thread. And now we have maintained the growth of more than 20% per year in the industrial textile industry market.

We have successfully developed high strength / low elongation - specialty yarn through 40 years of successful experience and know-how. And this product has been praised for yarn which can replace polyester high-tenacity yarn that is mainly manufactured by global companies. Since polypropylene yarn can be recycled after use at any time and it is harmless to the human body and environment-friendly plastic material, it has been spotlighted gradually by consumers and we believe polypropylene yarn market will grow exponentially in future due to the uniqueness of eco-friendly material. And all staffs of Dongsun Synthetic Fiber Co. Ltd. are proud of our role as a forerunner in this field.

For the happiness of whole mankind through enterprise activity which is our company's ultimate philosophy, all our staffs of management, sales, production, research and development team will unite and do our best to continue to move forward and we promise to provide our customers with the best quality products and service.

Thank you

Dongsun Mono Co., Ltd.

Dongsun Mono co., Ltd., established in 1973, has been professionally producing Plastic Monofilament for 40years. Through continuous technology development and business diversification, we currently have the largest extruding facilities in Korea. We have also been concentrating on exports since 2010 and doing our best to strengthen competitiveness through global business.

Considering the growth and value-added business, the initial business was mainly Monofilament for Zipper. We, then successfully have expanded to the industrial materials (filters, velcro, fishing net and commercial fishing line, etc.) and concentrated on industrial-use development. As part of our diversification, we launched the monofilament business for fisheries and bio-degradable fishing net from 2011 and succeeded in developing the Monofilament Yarn for Fishing Net and Line. And we continue to expand our business in domestic and overseas markets.

In particular, we have accounted for more than 30% of fishing net for snow crab and for more than 40% of fishing net for hairtail in domestic market, since we started monofilament business for fisheries in 2011. Based on the success of the domestic market, we launched into the overseas market more actively and we are now competing with the leading international companies specializing in fisheries and industrial fabrics Monofilament.

Based on the spirit of innovation and challenge, we will do our best to provide the best workplace for all our staff and be a global company which provides the best satisfaction for customers with excellent products and service by practicing the vision of 'quality management'.

In addition, based on the core competencies of research and development capabilities and high technology, we will seek for diversification, advancement, and globalization. Also, we foster and develop out the corporate culture of the customer-oriented, giving customers the confidence, the talent-oriented, discovering and nurturing the talent, and the performance-oriented based on the rewards and a fair assessment.

Thank you

Multifilament Yarn

► Polypropylene

1. CHARACTERISTICS

- DOPE DYING FOR VARIOUS COLORS
- HIGH TENACITY YARN FOR INDUSTRIAL FIELD AND NORMAL TENACITY YARN FOR WEBBING
- RENEWABLE ECO-FRIENDLY PRODUCT
- HIGH STRENGTH BY ADDING UV STABILIZER
- INTERMINGLED (10-30POINTS/METER)
- AUTO-CUTTING SYSTEM
- USAGE : WEBBING, ROPE, SEWING THREAD, SAFETY NET, ELASTIC BAND, CONTAINER BAG, SLING BELT, GEO-TEXTILE, INDUSTRIAL TEXTILE, UPHOLSTERY, ETC



2. SPECIFICATIONS

	DENIER	COLOR	TENACITY	ELONGATION	SHIRINKAGE (HOT WATER 100°C , 3MIN)
NORMAL TENACITY	150D - 1200D	ALL COLORS	3.5-4.5 GPD	70-80%	5-10%
HIGH TENACITY	150D - 3000D	ALL COLORS	6.5-7.5 GPD	20-30%	3-5%

3. APPLICATIONS



Safety net



Tarpauline



Container bag



Rope



Geo-textile



Webbing tape

4. PACKING

PACKING METHOD	ITEM	BOBBIN MATERIAL	WEIGHT / BOBBIN OR BOX		
	POLYPROPYLENE MULTIFILAMENT YARN	PAPER	5KG/BOBBIN	6EA/BOX	30KG/BOX
			7KG/BOBBIN	4EA/BOX	
CONTAINER LOADING	CONTAINER SIZE		PALLET	BOX NO.	TOTAL NET WEIGHT
	20FT		X	320BOX	9,600KG +/- 5%
			O	287BOX	8,600KG +/- 5%
	40FT		X	730BOX	21,900KG +/- 5%
			O	667BOX	20,000KG +/- 5%

Monofilament Yarn

► Polyester

1. CHARACTERISTICS

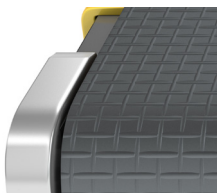
- HIGH TENSILE STRENGTH
- HIGH HEAT-RESISTING PROPERTY
- ANTI-STATIC PRODUCT (SUITABLE YARN FOR INSULATION)
- LOW MOISTURE-ABSORPTION PROPERTY
- LOW CONTRACTION PROPERTY
- USAGE : ZIPPER, WIRE FOR ELECTRICITY RESISTANCE, CANVAS TEXTURES, BRUSH, SAFETY BELT, CONVEYER BELT, FABRIC FOR SHOES, MOSQUITO NET, TUBE FOR HOME APPLIANCE, SUPPLEMENT FOR FIRE HOSE, SCREEN CURTAIN ETC



2. SPECIFICATIONS

	SIZE(DENIER)	COLOR	STRENGTH	ELONGATION	SHRINKAGE (HOT AIR 180°C, 3MIN)
REGULAR	0.08-1.50mm (63-22,254 Denier)	NATURAL/ BLACK/COLOR	4.0-5.0 GPD	20-35%	2-10%
FOR ZIPPER	0.40-1.60mm (1,583-25,320 Denier)	NATURAL/ BLACK/COLOR	2.5-4.5 GPD	30-80%	3-10%

3. APPLICATIONS



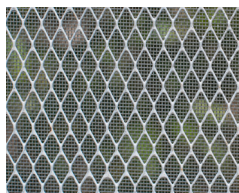
Conveyer belt



Zipper



Fabric for shoes



Mosquito net

► Nylon 6 & 66

1. CHARACTERISTICS

- HIGH TENSILE STRENGTH
- HIGH HEAT-RESISTING PROPERTY
- HIGH ELASTICITY
- IMPACT RESISTANCE
- WEAR RESISTANCE
- CHEMICAL RESISTANCE
- USAGE : VELCRO, FISH NETTING, ROPE, STOCKING, TOOTHBRUSH, FISHING LINE, FILTER, SEWING THREAD, FABRIC FOR SHOES, LAWN TRIMMER, WIG, GUITAR STRINGS ETC.



2. SPECIFICATIONS

	SIZE(DENIER)	COLOR	STRENGTH	ELONGATION	SHRINKAGE (HOT AIR 180°C, 3MIN)
REGULAR	0.08-2.00mm (52-32,216 Denier)	NATURAL/ BLACK/COLOR	4.0-8.0 GPD	20-40%	2-10%
FISHING LINE	0.60-4.00mm (2,899-128,865 Denier)	NATURAL/ BLACK/COLOR	4.0-7.0 GPD	30-80%	5-15%

3. APPLICATIONS



Velcro



Fishing net



Guitar strings



Fishing line

Monofilament Yarn

► Polypropylene

1. CHARACTERISTICS

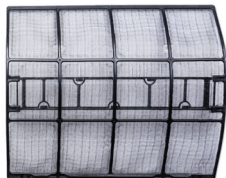
- RENEWABLE ECO-FRIENDLY PRODUCT
- HIGH STRENGTH BY ADDING
- UV STABILIZER
- LOW MOISTURE-ABSOPTION PROPERTY
- USAGE : FILTER, MEDICAL USAGE, BAND,
FABRIC FOR TIMER MOSQUITO NET, BAND FOR CAP
- LIGHTNESS YARN(SPECIFIC GRAVITY LESS THAN 1.00)



2. SPECIFICATIONS

	SIZE(DENIER)	COLOR	STRENGTH	ELONGATION	SHRINKAGE (HOT WATER 100°C, 3MIN)
REGULAR	0.08~1.00mm (41~6,499 Denier)	NATURAL/ BLACK/COLOR	4.0~7.0 GPD	20~30%	5~10%

3. APPLICATIONS



Air conditioner filter



Medical band



Band for cap

► Bio Degradable (PBS)

1. CHARACTERISTICS

- HIGH RESOLVABILITY (2YEAR)
- SAME TENSILE STRENGTH AND ELONGATION WITH NYLON
- HIGH FLEXIBILITY
- USAGE : FISHING NET (FOR CROAKER AND SNOW CRAB)



2. SPECIFICATIONS

	SIZE(DENIER)	COLOR	STRENGTH	ELONGATION	SHRINKAGE (HOT WATER 100°C, 3MIN)
REGULAR	0.22~0.435mm (427~1,671 Denier)	NATURAL	3.3~6.8 GPD	MORE THAN 25%	5~10%

3. APPLICATION



Fishing net

Monofilament Yarn

► Monofilament Packing

PACKING METHOD		ITEM		BOBBIN	WEIGHT/ BOBBIN	BOBBIN/BOX	WEIGHT/BOX
		POLYESTER	FOR ZIPPER	PLASTIC H-TYPE	10-15KG	2EA/BOX	20-30KG
			FOR WEAVING	PLASTIC H-TYPE	5KG	4EA/BOX	20KG
				STEEL	2.08KG	12EA/BOX	25KG
		POLYPRO- PYLENE	FOR WEAVING	PLASTIC H-TYPE	4KG	4EA/BOX	16KG
				STEEL	1.66KG	12EA/BOX	20KG
		NYLON	FOR WEAVING	PLASTIC H-TYPE	2KG	4EA/BOX	8KG
				STEEL	2KG	12EA/BOX	24KG
CONTAINER LOADING	CONTAINER SIZE	ITEM		BOBBIN	BOX NO.	BOBBIN NO.	TOTAL NET WEIGHT
	20FT	POLYESTER	FOR ZIPPER	PLASTIC H-TYPE	450BOX	900EA	9,000KG +/- 5%
			FOR WEAVING	STEEL	280BOX	3,360EA	7,000KG +/- 5%
		POLYPRO- PYLENE	FOR WEAVING	PLASTIC H-TYPE	20BOX	1,800EA	7,200KG +/- 5%
				STEEL	280BOX	3,360EA	5,600KG +/- 5%
		NYLON	FOR WEAVING	PLASTIC H-TYPE	20BOX	1,800EA	3,600KG +/- 5%
				STEEL	280BOX	3,360EA	7,000KG +/- 5%
	40FT	POLYESTER	FOR ZIPPER	PLASTIC H-TYPE	1,000BOX	2,000EA	20,000KG +/- 5%
			FOR WEAVING	STEEL	600BOX	7,200EA	15,000KG +/- 5%
		POLYPRO- PYLENE	FOR WEAVING	PLASTIC H-TYPE	40BOX	3,600EA	15,000KG +/- 5%
				STEE	600BOX	7,200EA	12,000KG +/- 5%
		NYLON	FOR WEAVING	PLASTIC H-TYPE	40BOX	3,600EA	7,200KG +/- 5%
				STEEL	600BOX	7,200EA	15,000KG +/- 5%



PRODUCTS LIST

* POLYPROPYLENE MULTIFILAMENT YARN

ITEM	Denier	Filament	Color	Tenacity (GPD)		Remark
				HT	NT	
POLYPROPYLENE MULTIFILAMENT ROUND SECTION YARN	150	45F	All Colors	4.5~5.0	2.5~3.5	
	200	45F				
	300	45F/60F/72F				
	400	45F/60F/72F		5.0~7.0	2.5~3.5	
	500	45F/60F/72F				
	600	45F/60F/72F/90F				
	840	90F/120F/144F		6.8~7.8	3.5~4.5	
	900	90F/120F/144F				
	1000	90F/120F/144F				
	1200	90F/120F/144F				
	1680	180F/240F/288F				
	2000	180F/240F/288F				
	3000	180F/240F/288F				
	4000	360F/480F/576F				
POLYPROPYLENE DELTA CROSS SECTION YARN	200	60F/72F	All Colors	3.5~4.5		
	300	60F/72F				
POLYPROPYLENE HOLLOW YARN	300D ~ 4000D		All Colors	3.5~4.5		
	Denier		Twisting Per Meter			
POLYPROPYLENE TWISTED YARN	400D ~ 4000D		40TPM~300TPM			

* MONOFILAMENT YARN

ITEM	CLASS	SIZE(mm)	COLOR	TENACITY (GPD)	ELONGATION (%)	SHIRINKGE (%)
POLYESTER MONOFILAMENT YARN	STANDARD	0.08~1.50	ALL COLORS	4.0~5.0	20~35	2~10
	FOR ZIPPER	0.40~1.60		2.4~4.5	30~80	3~10
NYLON6, 66 MONOFILAMENT YARN	STANDARD	0.08~2.00		4.0~8.0	20~40	2~10
	FOR FISHING LINE	0.60~4.00		4.0~7.0	30~80	5~15
POLYPROPYLENE MONOFILAMENT YARN	STANDARD	0.08~1.00		4.0~7.0	20~30	5~10

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