



Threads (India) Limited

# BONDEX

Bonded Nylon 6.6 Thread

BONDEX is made from High Tenacity 100% Continuous Nylon 6.6 Yarn. The bonding is done by a specially formulated chemical.



#### Characteristic Features:

- **Excellent performance on multi-directional / zig-zag sewing operation** as the plies stay together, due to the bonding of plies.
- Exceptionally high abrasion resistance due to coating of specially formulated bonding chemical.
- High melting point of above 260° C, prevents thread from melting at needle eye while sewing.
- Low stretch and excellent recovery properties resulting in neat seams.
- Also available in Antiwick and UV Resistant finishes.

#### Technical Information:

Ticket No.	Composition (DENIER)	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
80	110 * 3	35	2.25	70
60	156 * 3	45	3.20	80
60	235 * 2	45	3.25	80
40	235 * 3	70	5.00	100
30	235 * 4 / 312 * 3	105	6.70	110
20	470 * 3	135	10.00	140
15	700 * 3	210	15.00	160
10	940 * 3	270	20.00	200
8	1410 * 3	400	24.00	250
5	1848 * 3	600	43.00	280
4	2080 * 3	700	48.00	300

Ticket No.	Applications
80	: Ladies Shoe Uppers, Shoe Lining
60, 40, 30	: Leather Shoes, Uppers, Leather Garments, Footwear, Wallets, Sports Goods, Gloves, Bags, Light Leather Goods, Mattresses, Upholstery, Automobile Seats, Industrial Filters, Carpets, Parachutes, etc.
20, 15, 10, 8, 5, 4	: Heavy Stitching of Leather Goods, Ornamental Stitching of Leather Shoes, Saddlery, Tarpaulin, Tents, Jeep Hoods, Safety Belts, etc.

**Note: Other constructions are available on request**

**All TIL Threads are REACH Compliant**



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# OPEL

Lubricated Nylon 6.6 Thread

OPEL is made from Pre-stabilized High Tenacity 100% Continuous Nylon 6.6 Yarn.



#### Characteristic Features:

- **Micro-molecular lubrication** to ensure minimum wear and tear of machine parts and trouble-free running of thread on machine.
- Controlled low elongation and high tenacity, for even and regular seams without skipped stitches.

#### Technical Information:

Ticket No.	Composition (DENIER)	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
80	110 * 3	35	2.25	70
60	156 * 3	45	3.20	80
60	235 * 2	45	3.25	80
40	235 * 3	70	4.80	100
30	235 * 4 / 312 * 3	105	6.20	110
20	470 * 3	135	8.80	140
15	700 * 3	210	13.20	160
10	940 * 3	270	18.20	200
8	1410 * 3	400	24.00	250

Ticket No.	Applications
80	: Ladies Shoe Uppers, Shoe Lining
60, 40, 30	: Leather Shoes, Uppers, Leather Garments, Footwear, Wallets, Sports Goods, Gloves, Bags, Light Leather Goods, Mattresses, Upholstery, Automobile Seats, Industrial Filters, Carpets, Parachutes, etc.
20, 15, 10, 8	: Heavy Stitching of Leather Goods, Ornamental Stitching of Leather Shoes, Saddlery, Tarpaulin, Tents, Jeep Hoods, Safety Belts, etc

**Also Available In Anti-wick Finish And Anti-uv Resistant Finish.**

*Note: Other constructions are available on request*

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# ULTIMO

Lubricated Filament Polyester Thread

ULTIMO is made latest imported machinery from pre-stabilised High Tenacity 100% Continuous Polyester Yarn.



## Characteristic Features

- **Very low elongation and high modulus** resulting in very regular and neat seams
- High UV Resistance makes it suitable for products exposed to the sun
- Micro-molecular lubrication results in low wear and tear of machine parts and trouble free running of thread on the machine
- Also available in Antiwick Treatment for waterproof stitching

## Technical Information

Ticket No.	Composition D.tex/Ply	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
80	113/3	35	2.15	70
60	140/3	45	3.00	80
50	190/3	50	3.40	90
40	226/3	70	4.20	90
30	280/3	90	5.20	100
20	455/3	135	8.40	110
16	560/3	150	10.30	130
12	560/4	210	13.50	160
10	940/3	270	18.20	180
8	1,100/3	350	21.50	200
7	1,100/4	450	26.30	230

Ticket No.	Applications
80, 60	: Ladies shoe uppers, shoe lining, suitcase hinges, etc.
60, 50, 40, 30	: Leather shoes, uppers, leather garments, footwear, wallets, sports goods, gloves, bags, light leather goods, mattresses, upholstery automobile seats, industrial filters, carpets, parachutes, etc.
20, 16, 12, 10, 8, 7	: Heavy stitching of leather goods, ornamental stitching of leather shoes, saddlery, tarpaulin, tents, jeep hoods, safety belts, etc.

**Note: Other constructions are available on request**



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# DUET (POLISHED)

Polyester/Cotton Core Spun Glazed

Duet (Polished) is made from High Tenacity Polyester Filament covered with cotton during spinning. Duet (polished) is made by application of a special chemical treatment and process giving it an extremely smooth surface and bright luster.



## Characteristics Features

- **Very high productivity due to no breakage during high speed sewing**
- Ideal for all types of sewing machines
- Very high resistance to heat due to heat cover
- Strength of High Tenacity Polyester with softness and feel of cotton
- Very good luster due to the special polishing treatment

## Technical Information

Ticket No.	Composition Dtex/Ply	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
80	80/3	41	1.6	90
75	50/2	45	1.8	100
60	80/4	58	2.1	100
50	50/3	68	2.8	110
36	28/2	85	3.4	120
25	28/3	126	5.5	180

Ticket No.	Applications
80	: Leather jackets, coats, wallets, belts, garment lining, etc.
75, 60	: Leather jackets, gloves, handbags, leg guards, all types of leather goods, raincoats, umbrellas, brushed shoe uppers, etc.
50, 36	: Gloves, briefcases, etc.
25	: Saddlery, harness, tents, etc.

*Note: Other constructions are available on request*



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Threads (India) Limited  
**ZIRCON**  
Polyester Filament Braids  
**(HAND STITCH BRAID)**

ZIRCON is made from High Tenacity Pre-stabilised 100% Continuous Polyester Yarn.  
Zircon is given a special wax coating for hand stitching operation.



#### Characteristic Features

- Special construction with regular picks makes it **ideal for decorative stitching**
- Usage of high tenacity filament provides very high strength
- High UV Resistance
- Heavy waxing for stitch sealing

#### Technical Information (SEMI-WAXED BRAIDS)

Ticket	Tex No.	Breaking Strength (Kg.)
0.4	180	6.70
0.6	270	12.50
0.8	350	18.50
1.0	450	23.00
1.2	700	36.00
1.4	900	48.00
1.6	1100	57.20

#### Applications

Decorative stitching in footwear, sole stitching, parachute cords, kite flying cords, tents (ropes and cords), stator binding, Venetian blinds, saddlery, etc.

*Note: Other constructions are available on request*



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Threads (India) Limited  
**ZIRCON**  
Polyester Filament Braids  
(MACHINE STITCH)

ZIRCON is made from High Tenacity Pre-stabilised 100% Continuous Polyester Yarn.



#### Characteristic Features

- **Low elongation & high modulus** resulting in regular & neat seams
- High UV Resistance
- Micro-molecular lubrication results in low wear and tear of machine parts and trouble free running of thread on the machine
- Also available in Antiwick Treatment for waterproof stitching

#### Technical Information (SEMI-WAXED BRAIDS)

Thickness (mm)	Tex No.	Breaking Strength (Kg.)
0.4	180	6.70
0.6	270	12.50
0.8	350	18.50
1.0	450	23.00
1.2	700	36.00
1.4	900	48.00
1.6	1,100	57.20

#### Technical Information (LUBRICATED BRAIDS)

Thickness (mm)	Tex No.	Breaking Strength (Kg.)
0.4	180	6.70
0.6	270	12.50
0.8	350	18.50
1.0	450	23.00
1.2	700	36.00
1.4	900	48.00
1.6	1,100	57.20

#### Applications

Decorative stitching in footwear, sole stitching, parachute cords, kite flying cords, tents (ropes and cords), stator binding, Venetian blinds, saddlery, etc.

*Note: Other constructions are available on request*



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# CONCH

High Tenacity Polyester/Cotton Braids

CONCH is made on latest imported machinery from high quality Polyester-Cotton Yarn.



## Characteristic Features

- High braiding level for high quality and appearance results
- High Strength
- Controlled Elongation
- High Cotton Cover for Thermal Protection

## Technical Information

Size mm	Tex No.	Breaking Strength (Kg.)
1.2	540	20
1.3	835	29
1.5	870	39
1.6	1165	42

## Applications

Sole stitching, tents (ropes and cords), stator binding, Venetian blinds, saddlery, etc.

*Note: Other constructions are available on request*



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# QUARTZ

Lubricated Polyamide 6 Thread

QUARTZ is made High Tenacity 100% Continuous Polyamide 6 Yarn on latest machines.



## Characteristic Features:

- **Micro-molecular lubrication** to ensure minimum wear and tear of machine parts and trouble free running of thread on machine.
- Controlled low elongation and high tenacity, for even and regular seams without skipped stitches.
- High resistance to alkalis.
- Also available in Antiwick and UV Resistant finishes.

## Technical Information:

Ticket No.	Composition (DENIER)	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
60	235 * 2	45	2.80	80
40	235 * 3	70	3.90	100
30	235 * 4	105	5.20	110
20	470 * 3	135	8.00	140
15	700 * 3	210	12.00	160
10	940 * 3	270	16.00	200
8	1410 * 3	400	23.00	250

Ticket No.	Applications
60, 40, 30	: Leather Shoes, Uppers, Leather Garments, Footwear, Wallets, Sports Goods, Gloves, Bags, Light Leather Goods, Mattresses, Upholstery, Automobile Seats, Industrial Filters, Carpets, Parachutes, etc.
20, 15, 10, 8	: Heavy Stitching of Leather Goods, Ornamental Stitching of Leather Shoes, Saddlery, Tarpaulin, Tents, Jeep Hoods, Safety Belts, etc.

**Note: Other constructions are available on request**

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# NYBOND

Bonded Polyamide 6 Thread

NYBOND is made from High Tenacity 100% Continuous Polyamide 6 Yarn on latest machines.



## Characteristic Features:

- **Excellent performance on multi-directional sewing** operation as the plies stay together, due to the bonding of plies.
- Exceptionally high abrasion resistance due to coating of specially formulated bonding chemical.
- High melting point of above 230° C prevents thread from melting at needle eye while sewing.
- Low stretch and excellent recovery properties resulting in neat seams.
- Also available in Antiwick and UV Resistant finishes.

## Technical Information:

Ticket No.	Composition (DENIER)	Tex No.	Breaking Strength (Kg.)	Metric Needle No.
60	235 * 2	45	2.80	80
40	235 * 3	70	3.90	100
30	235 * 4	105	5.20	110
20	470 * 3	135	8.00	140
15	700 * 3	210	12.00	160
10	940 * 3	270	16.00	200
8	1410 * 3	400	23.00	250

Ticket No.	Applications
60, 40, 30	: Leather Shoes, Uppers, Leather Garments, Footwear, Wallets, Sports Goods, Gloves, Bags, Light Leather Goods, Mattresses, Upholstery, Automobile Seats, Industrial Filters, Carpets, Parachutes, etc.
20, 15, 10, 8	: Heavy Stitching of Leather Goods, Ornamental Stitching of Leather Shoes, Saddlery, Tarpaulin, Tents, Jeep Hoods, Safety Belts, etc.

**Note: Other constructions are available on request**

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# POLYESTER REINFORCEMENT

## Braided Tape

Polyester Braided Tapes are made from super high tenacity polyester yarn by weaving it on latest machines.



### Characteristic Features

- **Tensile strength:** Very high tensile properties
- Long lasting: Excellent stitch holding property
- Temperature resistant: For many applications that require exposures to temperatures, polyester tapes can deliver an excellent performance

### Technical Information

Size	Height/Per	Breaking	Elongation	Make-up	No. of Bobbins	Total quantity
(mm)	Kg. Meters	Strength	at break	Mtr./Bobbin	per Master Carton	per Master Carton
	(Approx.)	(Kgs.)	(%)			(Mtrs.)
1.00	7820	7.00	12	3000	36	108000
1.30	5380	10.50	13	2500	36	90000
1.50	5380	10.50	12	2500	36	90000
2.00	2670	14.80	13	1400	36	50400
3.00	2050	20.80	16	1200	36	43200
4.00	1380	26.00	14	900	36	32400
5.00	1380	36.00	14	600	36	21600
6.00	1380	36.00	13	600	36	21600
7.00	1300	38.00	13	500	36	18000

### Few Applications

Used for edge folding of shoe upper where the braid is fed in as the skived edge is turned. Ideal for binding curved seams. Can be used for extreme reinforcement applications. It is suggested, Top Lines should not use less that 2mm wide braid, to ensure the stitching passes through the braid for total strength.

*Note: Other constructions are available on request*



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# POLYESTER REINFORCEMENT

Woven Tape

Woven polyester tapes are made from polyester yarn by weaving it on Narrow fabric looms.



## Characteristic Features

- **Tensile strength:** Very high tensile properties
- Long lasting: Excellent stitch holding property
- Temperature resistant: For many applications that require exposures to temperatures, polyester tapes can deliver an excellent performance

## Technical Information

Size	Height/Per Kg. Meters	Breaking Strength (Kgs.)	Elongation at break (%)	Make-up Mtr./Bobbin	No. of Bobbins per Master Carton	Total quantity per Master Carton (Mtrs.)
(mm)	(Approx.)					
1.50	2700	16.00	14	1000	72	72000
1.80	2130	19.00	15	1000	72	72000
2.00	2100	20.00	14	1000	72	72000
2.38	2090	20.50	13	750	72	54000
3.00	1500	28.00	14	700	72	50400
4.00	1150	41.00	15	500	72	36000
5.00	940	50.00	10	400	72	28800
6.00	780	56.00	12	300	72	21600
7.00	680	70.00	12	250	72	18000
8.00	590	80.00	12	200	72	14400

## Few Applications

Used for edge folding of shoe upper where the braid is fed in as the skived edge is turned.  
Shoe seams covering.

Covering of coils in electrical rotating machines, bunching of conductors, lacing of coils.  
Strong reinforcement of Top Lines, etc.

*Note: Other constructions are available on request*



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