



Product Portfolio



JCT LIMITED

NYLON FILAMENT DIVISION

MANUFACTURING FACILITIES



COMPANY OVERVIEW

JCT Limited, the flagship company of the Thapar Group, has been a forerunner in the field of textiles ever since its inception in 1946. Founded in the 1920'S, the Thapar Group - comprising of JCT Limited, Ballarpur Industries Ltd, Crompton Greaves Ltd. and Greaves Ltd.

The Group's consistent Endeavour has been to upgrade manufacturing process to world standards, which has resulted in collaborations with some of the biggest multinational corporation like DuPont, Zimmer AG, Hitachi Lt d. Corning, Mitsubishi Corporation, General Electrical, Westinghouse and David Brown.

JCT Limited set up its filament division in 1980 in technical collaboration with Zimmer AG of Germany. Since then the plant is regularly expanding & upgrading its filament yarn capacity & technology.

At present, we have polymerization, spinning & yarn processing capacity of 15000 MT per year of Nylon filament yarn & chips in varying luster for textile as well as industrial end uses. Nylon yarns are either partially oriented, flat (DT or FDY), crimp or dyed whereas nylon chips are produce in Semi dull or bright luster in different Relative Viscosity .

Our products are certified by Oeko -Tex Standard 100(Product Class -I) by M/s TESTEX AG, SWISS TEXTILE INSTITUTE & Global Recycle Standard (GRS) by control union. The GRS is intended for companies that are making and/or selling products with recycled content & fulfill environmental and social criteria as per government rules & regulations.

The Group owes its success to a well known attitude of doing business globally & nationally. An attitude that involves effecting lightening changes both in terms of technologies & infrastructure & the ability to adapt to changing economic scenarios at home & abroad. The courage to look beyond nation fences, the marketing aggression, the technological brilliance, a keen customer oriented & a warm management philosophy, that always puts people first.



CHIPS SPECIFICATIONS

Grade	Luster	Relative Viscosity	Application
JE-25	Bright	2.5±0.05	High Speed / Conventional Spinning Filament /BCF yarn /Compounding/Badminton gutting/Multi-layer Film
JE-28	Super Bright	3.0±0.1	Base polymer for Compounding with glass fibre etc. for Reinforced and Flame-retardant Properties
JE-35	Super Bright	3.2±0.1	Tyre cord, Injection moulding
JE-25	Semi Dull	2.5±0.05	High Speed /Conventional Spinning Filament
JM-28 LU	Lubricated Bright	2.7±0.1	Compounding



YARN SPECIFICATIONS

Type of yarn	Tenacity (Min)	%Elongation	%Shrinkage	Full Package diameter (mm)
DT-Mono filament	5.5	45±5	12±2	130
DT-Multi filament	4.0	45±5	12±2	130
POY/FOY	3.5	58±5	10±2	275
FDY	4.0	45±5	12±2	325
High Tenacity	6.0 & 7.0	28±5	12±2	250
Crimp/Dope dyed Crimp	3.5	30±5	6.5	195
Conventional Dyed	3.5	30±5	1.5	140

PACKAGE SPECIFICATIONS

Type of yarn	Packing description	Package length (mm)	Empty package diameter (MM)
DT Flat yarn	Metallic	340	45,48,51
DT Flat yarn	Metallic	420	45,48,51
POY/FOY	Paper tube	150	85
POY/FOY	Paper tube	112	108
Draw Winder	Paper tube	260	85
FDY	Paper tube	153	108
Crimp/Dope dyed	Paper tube	290	62
Twisted Crimp	Paper tube	230	62
Conventional dyed	Paper tube	220	Top -50 Bottom-76 Taper-3°



PRODUCT - MONO FILAMENT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
15/1 SD	15	1	Circular		1.1	Warp knitting/Weaving
20/1 SD	19.5	1	Circular		2.2	Warp knitting/Weaving
20/1 BRT	19.5	1	Trilobal		2.2	Warp knitting/Weaving
20/1 SD DOPE DYED	19.5	1	Circular		1.1	Weaving
30/1 SD	29.5	1	Circular		2.2	Warp knitting/Weaving
30/1 BRT	29.5	1	Circular		2.2	Weaving
30/1 SD DOPE DYED	29.5	1	Circular		2.2	Weaving
40/1 SD	39.5	1	Circular		2.2	Weaving

DT PRODUCT - MULTI FILAMENT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
20/10 BRT TL	20.5	10	Trilobal	35±5	2.2	Weaving
28/10 FD TL	28.5	10	Circular	35±5	2.2	Warp knitting/Weaving
30/24 BRT TL	30.5	24	Trilobal	35±5	2.2	Weaving
30/24 FD TL	30.5	24	Trilobal	35±5	2.2	Weaving
30/36 BRT TL	30.5	36	Trilobal	35±5	2.2	Weaving
30/36 FD TL	30.5	36	Trilobal	35±5	2.2	Weaving
40/10 SD TL	42	10	Circular	35±5	2.0	Knitting
40/24 FD TL	40	24	Trilobal	35±5	2.2	Weaving
60/48 BRT TL	66.5	48	Trilobal	35±5	2.2	Weaving
70/20 BRT TL	70.5	20	Trilobal	30±5	2.2	Weaving/Narrow tape
90/20 BRT TL	91	20	Trilobal	30±5	2.2	Weaving/Narrow tape
100/24 SD TL	100	24	Circular	30±5	2.2	Weaving/Narrow tape
111/24 SD	108	24	Circular	30±5	2.2	Weaving/Narrow tape
111/24 SD TL	108	24	Circular	30±5	2.2	Weaving/Narrow tape

DW PRODUCT - MULTI FILAMENT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
111/24 SD DW TL	108	24	Circular	30±5	4.0	Weaving/Narrow tape
210/48 SD DW TL	216	48	Circular	30±5	4.0	Weaving/Narrow tape
210/40 BRT DW	210	40	Trilobal	20±5	4.0	Knitting/Narrow tape
210/24 BRT DW	210	24	Circular		7.0	Twine
210/24 BRT DW TL	210	24	Circular	30±5	7.0	Weaving
210/24 BRT DOPE DYED	210	24	Circular		7.0	Belting
280/14 BRT DW	280	14	Circular		7.0	Velcro
420/48 BRT DW	425	48	Circular		7.0	Twine
840/96 BRT DW	850	96	Circular		7.0	Tyre cord

FOY PRODUCT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
20/10 BRT	21.5	10	Trilobal	15±5	7.0	Weaving
28/10 FD	28.5	10	Circular	15±5	7.0	Weaving/warp knitting
40/24 FD	40.5	24	Trilobal	15±5	7.0	Weaving
44/24 BRT	45.5	24	Trilobal	15±5	7.0	Weaving/Texturing
44/10 SD	46.5	10	Circular	15±5	7.0	Rachael Knitting
70 BRT	70.5	24/36	Trilobal	15±5	7.0	Feather yarn
140/96 BRT	140	96	Trilobal	15±5	7.0	Texturing/Feather yarn

FDY PRODUCT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
30/24 BRT	30.5	24	Trilobal	15±5	6.5	Weaving
30/24 FD	30.5	24	Trilobal	15±5	6.5	Weaving
39/10 SD	39.5	10	Circular	15±5	5.5	Warp knitting
40/10 SD	46.5	10	Circular	15±5	4.0	Warp knitting
40/10 BRT	41.5	10	Trilobal	15±5	4.0	Weaving
40/24 FD	39.5	24	Trilobal	15±5	7.0	Weaving
44/24 BRT	45.5	24	Trilobal	15±5	7.0	Weaving
60/48 BRT	63	48	Trilobal	15±5	7.0	Weaving
70/24 BRT	70.5	24	Trilobal	15±5	7.0	Weaving
70/24 SD	70.5	24	Circular	15±5	7.0	Weaving
75/24 SD	80.5	24	Circular	15±5	7.0	Weaving
90/24 BRT	90.5	24	Trilobal	15±5	4.0	Weaving

POY PRODUCT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
23/10 BRT	23	10	Trilobal		7.0	Draw Twisting
30 BRT/FD	34.5	24/36	Trilobal		7.0	Draw Twisting
45/24 FD	45	24	Trilobal		7.0	Draw Twisting
55/10 SD	55	10	Circular		7.0	Texturing
57/24 FD	55	24	Circular		7.0	Texturing
70/36 BRT	70.5	36	Trilobal		7.0	Texturing
70/48 BRT	70.5/74.5	48	Trilobal		7.0	Draw Twisting /Texturing
80/36 BRT	77	36	Trilobal		7.0	Texturing
86/24 SD	86	24	Circular		9.0	Texturing
124/24 SD	120	24	Circular		9.0	Texturing
135/72 BRT	135	72	Trilobal		7.0	Texturing
160/72 BRT	162	72	Trilobal		7.0	Texturing

CRIMP PRODUCT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size (kg)	Application
44/10 SD CR	49	10	Circular		3.5	Knitting/Covering
44/24 BRT CR	42	24	Trilobal		3.5	Weaving
44/24 FD	48	24	Circular		3.5	Weaving
50/24 BRT ROTO	52	24	Trilobal	120±20	3.5	Weaving
60 Micro	55	24	Circular		3.5	Knitting/Weaving/Narrow Tapes
60/2 Micro LIM	115	48	Circular	60±10	3.5	Knitting/Weaving/Narrow Tapes
60/48 BRT	65	48	Trilobal		3.5	Weaving
70/24 SD CR-Z	75	24	Circular		3.5	Knitting/Weaving/Narrow Tapes
70/24 SD CR-Z LIM/ROTO	75	24	Circular	60±10 / 120±20	3.5	Knitting/Weaving/Narrow Tapes
70/24/2P SD CR	150	48	Circular		3.5	Knitting/Weaving/Narrow Tapes
70/24/2P SD LIM/ROTO	150	48	Circular	60±10 / 120±20	3.5	Knitting/Weaving/Narrow Tapes
111/24 SD CR-Z	108	24	Circular		3.5	Knitting/Weaving/Narrow Tapes
111/24 SD CR-Z ROTO	108	24	Circular	120±20	3.5	Knitting/Weaving/Narrow Tapes
120/72 BRT CR	118	72	Trilobal		3.5	Weaving
139/72 BRT CR	142	72	Trilobal		3.5	Weaving
200/48 SD CR	220	48	Circular		3.5	Knitting/Weaving/Narrow Tapes
200/48 SD CR LIM/ROTO	220	48	Circular	60±10 / 120±20	3.5	Knitting/Weaving/Narrow Tapes
350/96 SD CR	450	96	Circular		3.5	Knitting/Weaving

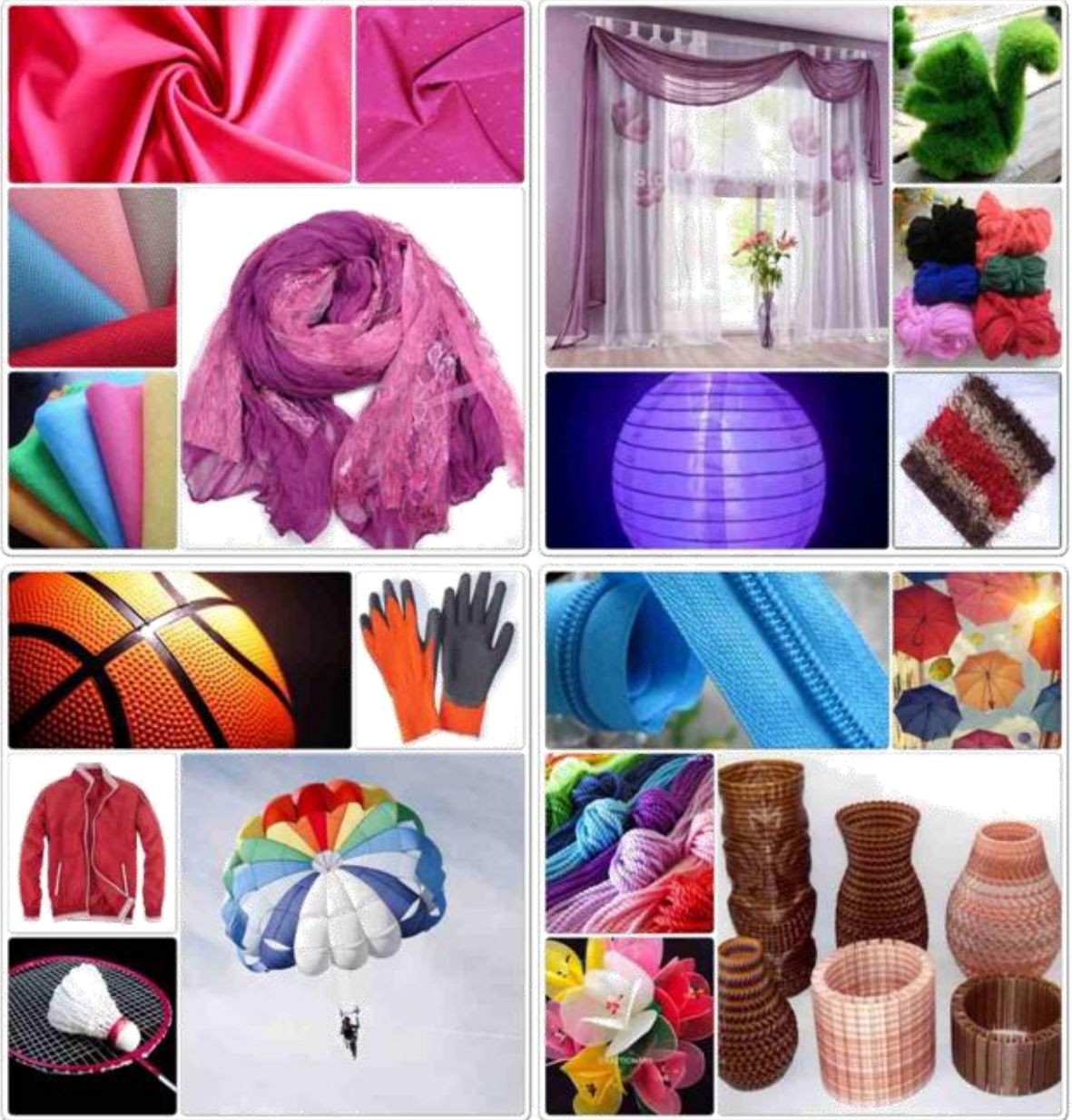
CONVENTIONAL DYED PRODUCT

Product	Denier	Filament	Cross Section	TPM	Max package size(kg)	Application
70/24 SD DYED-Z	79	24	Circular	80	0.9	Knitting/Covering/Narrow Tapes
111/24 SD DYED-Z	116	24	Circular	80	0.9	Knitting/Covering/Narrow Tapes
70/24/2P DYED	161	48	Circular	80	0.9	Knitting/Covering/Narrow Tapes
222/48 DYED	238	48	Circular	40	0.9	Knitting/Covering/Narrow Tapes
444/96 SD DYED	476	96	Circular	40	0.9	Knitting/Covering/Narrow Tapes

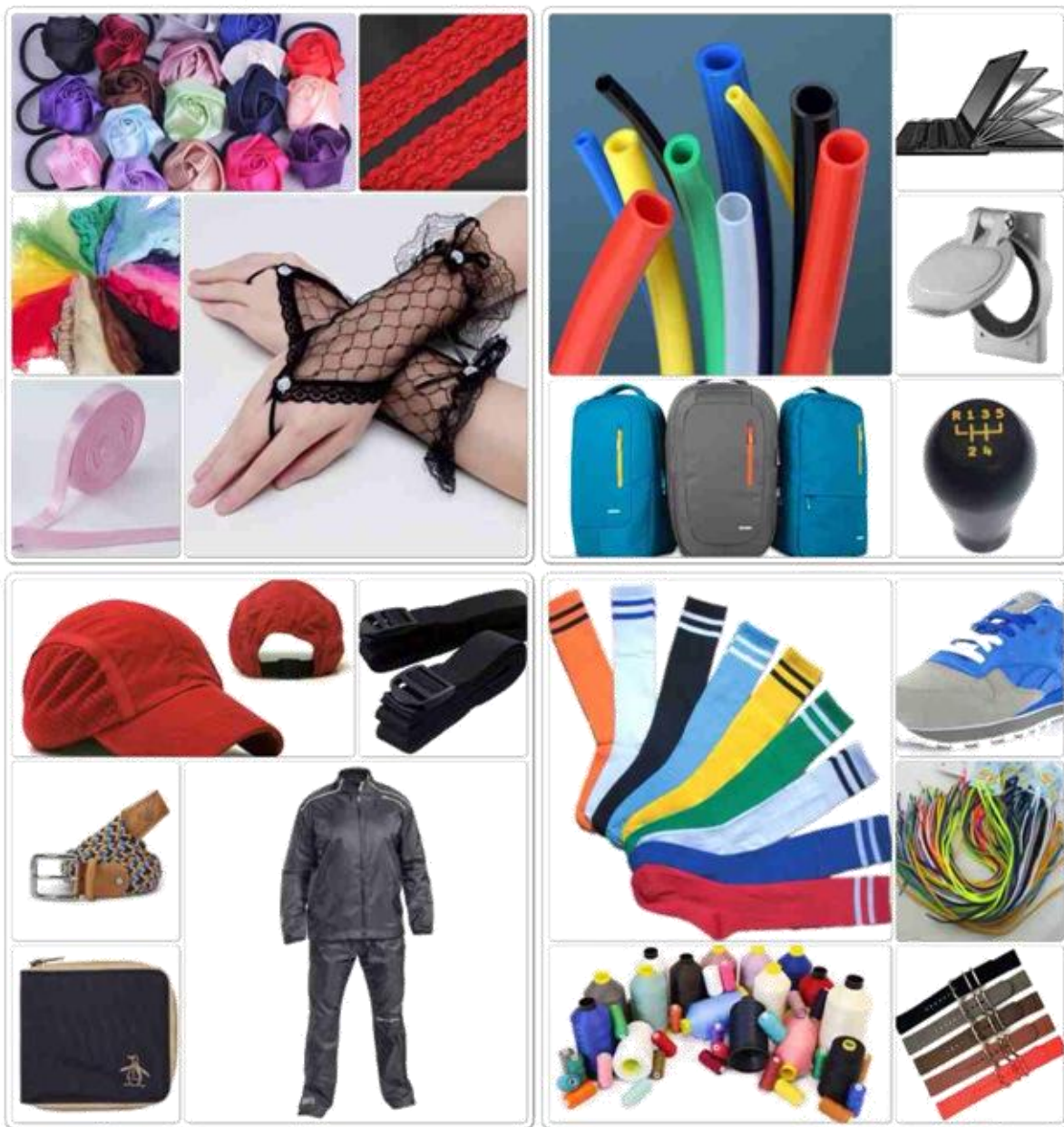
DOPE DYED PRODUCT

Product	Denier	Filament	Cross Section	Nips/mt	Max package size(kg)	Application
44/10 SD DOPE DYED-Z	49	10	Circular		3.5	Knitting/Covering
70/24 SD DOPE DYED-Z	78	24	Circular		3.5	Knitting/Covering
111/24 SD DOPE DYED Z	118	24	Circular		3.5	Knitting/Covering
70/24/2P SD DOPE DYED	156	48	Circular		3.5	Knitting/Covering
222/48 SD DOPE DYED	242	48	Circular		3.5	Knitting/Covering

APPLICATIONS



APPLICATIONS



REGIONAL SALES OFFICES



Amritsar

Opp. Khana Paper Mills
Near Metro, Fatehgarh
Churian Road, Bye Pass
Amritsar
Tel.: 2421448/9216080405

Maunath Bhanjan

H.No.-374, Alliya Nagar,
Bye Pass Road,
Near Mohmadia Hospital
Maunath Bhanjan
Tel.: 2226935/2227366

Mumbai

K.K. Chamber,
Sir P.T. Marg,
Fort
Mumbai - 400001
Tel.: 22071715
Fax : 22060761

Surat

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Surat-395001
Tel:- 2340524 (Direct)
PBX-2340502-03
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Delhi

305, Rattan Jyoti Building
3rd Floor,
18 Rajender Palace,
New Delhi
Tel.: 46290032/46290028



Website : www.jct.co.in/filament.as

A Complete Product Range of Nylon – 6



**CONFIDENCE
IN TEXTILES**



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according to Oeko-Tex® Standard 100
15.HIN.57941 Hohenstein**



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