

TECHNICAL YARNS

Polyamide 6.6
2015



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Nylstar HT

- High Tenacity Fully Drawn Yarns (FDY)
- For automotive, military gear, workwear, outdoor gear, sewing thread, technical tapes and others

Support type: Tubes 260 mm

Denier	Dtex	Filament	Luster	Cross Section	DPF	Typical Applications
20 D*	22	14	BR	RD	2	webbing
30 D*	33	10	BR	RD	3	webbing, parachuting
80 D	90	34	BR	RD	3	sewing thread, backpack
100 D	110	34	BR	RD	3	sewing thread, technical tapes, military gear
140 D	156	34	BR	RD	5	sewing thread, footwear, webbing
150 D	180	68	BR	RD	3	tents, backpack, workwear
200 D	235	34	BR	RD	7	sewing thread, webbing, military gear
320 D	370	136	BR	RD	3	airbag, sewing thread
420 D	470	68	BR	RD	7	airbag, military gear, sewing thread, webbing
500 D	560	136	BR	RD	4	airbag, luggage, webbing, bags, covers
900 D	940	136	BR	RD	7	tyres, MRG (mechanical rubber goods), ropes & nets

*Only in cops 340 mm (14")

Nylstar LS

- Fully Drawn Yarns (FDY) with low shrinkage and medium tenacity
- For multiples usages

Support type: Tubes 260 mm

Denier	Dtex	Filament	Luster	Cross Section	DPF	Tenacity (cN/tex)	Elongation at Break (%)	Shrinkage (%)	Intermingling (N./m)
40 D	44	13	SD	RD	3	48	42	3	25
	78	17	BR	TR	5	37	40	3	25
70 D	78	46	BR	TR	2	39	44	3	28
	78	52	BR	TR	2	38	44	3	28
100 D	110	34	SD	RD	3	40	44	3	31
	110	68	BR	TR	2	37	39	3	25
140 D	156	34	BR	TR	5	36	40	3	20
	156	104	BR	TR	2	36	40	3	20
150 D	165	8	SD	RD	21	41	51	4	13
200 D	220	20	BR	TR	11	46	36	4	17
250 D	270	40	BR	RD	2	58	37	5	9
420 D	470	68	BR	RD	7	48	43	4	18
900 D	940	136	BR	RD	7	43	41	4	10

Nylstar Monofilaments

- Fully Drawn Monofilaments (FDY)
- For packaging sacks, tea bags, labels or mixing with other yarns

Support type: Cops 340 mm (14")

Denier	Dtex	Luster	Cross Section
11 D	12	SD	RD
20 D	22	SD	RD
30 D	33	SD	RD

KEY

BR - Bright
SD - Semi Dull
FD - Full dull
RD - Round
TR - Trilobal
DPF - Decitex Per Filament

Technical specifications

Measures of tenacity, elongation at break, shrinkage and intermingling are approximate



Nylstar HD

- Fully Drawn Yarns (FDY) with high Decitex Per Filament and medium tenacity
- For multiples usages

Support type: Cops 420 mm (16")
Tubes 260 mm

Denier	Dtex	Filament	Luster	Cross Section	DPF	Tenacity (cN/tex)	Elongation at Break (%)	Shrinkage (%)	Intermingling (N./m)
30 D*	31	4	SD	RD	8	45	30	11	-
100 D	110	5	SD	RD	22	45	36	10	-
105 D	117	17	BR	RD	7	58	27	9	-
140 D	156	34	BR	TR	5	40	38	9	-
	165	8	SD	RD	21	47	44	9	-
	220	10	SD	RD	22	48	44	9	-
200 D	220	20	BR	TR	11	48	42	8	-
	220	34	BR	TR	7	53	33	9	-
	235	34	BR	RD	7	58	32	8	-
250 D	270	40	BR	RD	7	60	33	9	-
280 D	310	46	BR	RD	7	60	28	9	-
280 D	330	92	SD	RD	4	45	40	9	-
420 D	470	68	BR	RD	7	48	43	4	18
600 D	660	32	BR	RD	21	40	52	9	-
900 D	940	136	BR	RD	7	43	41	4	10

*Only in cops 340 mm (14")

Nylstar One

- Fully Oriented Yarns (FOY, single step spinning process)
- Yarn ready to use in weaving, knitting and other applications. Multiple usages from traditional textiles to cable wrapping or hook & loop closures

Support type: Tubes 230 mm

Denier	Dtex	Filament	Luster	Cross Section	DPF	Tenacity (cN/tex)	Elongation at Break (%)	Shrinkage (%)	Intermingling (N./m)
70 D	78	20	SD	RD	4	35	51	6	23
	78	52	BR	TR	2	33	75	-	11
	78	68	FD	RD	1	37	46	7	30
	78	68	BR	RD	1	36	72	8	8
	78	96	FD	RD	1	36	44	7	35
	78	96	SD	RD	1	37	47	-	42
80 D	88	96	FD	RD	1	34	75	-	8
100 D	110	68	BR	TR	2	33	29	8	25
	110	96	FD	RD	1	37	47	6	30
140 D	156	136	FD	RD	1	37	45	7	24
150 D	166	34	SD	RD	5	35	45	6	20
200 D	228	34	SD	RD	7	35	45	9	22
	228	34	FD	RD	7	34	49	8	25
210 D	235	34	BR	RD	7	35	48	9	24
250 D	270	34	SD	RD	8	34	54	-	20
420 D	460	68	SD	RD	7	37	45	8	12



Any other count can be available on request