



FULLY DRAWN YARN (FDY) – HIGH TENACITY

Denier/Filaments	Color / Lustre	Denier/Filaments	Color / Lustre
100D/48F	BRIGHT ROUND	630D/144F	BRIGHT ROUND
120D/48F	BRIGHT ROUND	850D/192F	BRIGHT ROUND
150D/48F	BRIGHT ROUND	1000D/192F	BRIGHT ROUND
210D/72F	BRIGHT ROUND	1300D/192F	BRIGHT ROUND
250D/72F	BRIGHT ROUND	1500D/192F	BRIGHT ROUND
250D/96F	BRIGHT ROUND	2000D/384F	BRIGHT ROUND
300D/72F	BRIGHT ROUND	3000D/576F	BRIGHT ROUND
300D/96F	BRIGHT ROUND	4000D/576F	BRIGHT ROUND
420D/72F	BRIGHT ROUND	5000D/768F	BRIGHT ROUND
500D/96F	BRIGHT ROUND	6000D/768F	BRIGHT ROUND

Yarn Types & Applications

Type	Denier(D)	Applications
High Tenacity	150-6000	Sling, Tie-down, Strapping. Geotextile, Conveyorbelt fabric, Dipped Cord, Hose, Sunshade, Outdoor furniture, Rope, Net
Low Shrinkage	250-3000	Banner, Tarpaulin, Roofing, Membrane structure, Awning, Filter fabric, Sunshade, Outdoor furniture, Hose, Sewing thread
High Tenacity Low Shrinkage	500-3000	Banner, Tarpaulin, Roofing, Membrane structure, Awning, Filter fabric, Sunshade, Outdoor furniture, Hose, Sewing thread
Super Low Shrinkage	500-2000	Banner, Tarpaulin, Roofing, Membrane structure, Awning, Filter fabric, Sunshade, Outdoor furniture, Sewing thread
Abrasion Resistance	500-2000	Seat belt, Safety belt, Rope, Sling
Extra Low Shrinkage	1000	Superior quality banner, Superior quality tarpaulin, Superior quality membrane structure
High Tenacity High Shrinkage	210-1000	Sail cloth
High Tenacity Low Elongation	1000-6000	Geotextile, Geogrid

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High Tenacity Middle Shrinkage	1000-6000	Conveyor belt fabric, Soild Woven
Adhesive Activated	500-6000	Rubber reinforcement materials
Anti-wicking	500-2000	Superior quality banner, Roofing, Pool cover
Marine Finish Yarn	1000-6000	Mooring Rope
HMLS	1000-2000	Tire cord fabric, Conveyor belt fabric, Dipped cord, Superior quality geotextile
Airbag Yarn	315-630	Airbag
Coloured Yarn	840-3000	Sling, Tie-down, Strapping, Rope Luggage Fabric
Twisted Yarn	250-15000	Woven fabric, Canvas, Fire hose, Filter Fabric, Seat belt, Sewing thread
Multi-ply Yarn	6000-30000	Sling, Conveyor belt fabric, Geotextile, Rope
Multi-ply Twisted Yarn	30000-120000	Rope, Round Sling, Geoiextile
Note : We can make products according to customer s requirements		

HMLS Yarn

Titer		Filaments	Breaking Strength (N)	Tenacity cN/dtex	Elongation %	EASL % 4.0 cN/dtex	Hot Air Shrinkage % 177c, 2min, 0.05cN/dtex	DSI
Dtex	Denier							
1100	1000	320	≥79	≥7.2	12.0±2.0	5.2±0.8	3.0±10.5	≤9.0
1440	1300	480	≥104	≥7.2	12.0±2.0	5.2±0.8	3.0±0.5	≤9.0
1670	1500	480	≥120	≥7.2	12.0±2.0	5.5±0.8	3.0±0.5	≤9.0
2200	2000	640	≥154	≥7.0	12.0±2.0	5.5±0.8	3.0±0.5	≤9.0
Application: Tire cord fabric, Conveyor belt fabric, Dipped cord, Superior quality geotextile								



Airbag Yarn

Titer		Filaments	Break ing Stren gth (N)	Tenacity cN/dtex	Elongation %	Hot Air Shrinkage % 190c, 5min, 0.01cN/ dtex	Interminglin g Nodes/M
Dtex	Denier						
550	500	140	≥40.0	≥7.2	19.0±2.0	3.5±0.5	≥14
460	420	140	≥33.0	≥7.2	19.0±2.0	3.5±0.5	≥14

Anti – wicking Yarn

Titer		Filaments	Breaking Strength (N)	Tenacity cN/dtex	Elongation %	Hot Air Shrinkage % 190c, 5min, 0.01cN/dtex	Wicking Height mm in 4 hours
Dt ex	Den ier						
500	550	96	≥37	≥6.7	24.0±2	2.5±0.3	≤20.0
840	930	192	≥62	≥6.7	24.0±2	2.5±0.3	≤20.0
100	1100	192	≥76	≥6.9	23.0±2	2.0±0.3	≤20.0



Twisted Yarn

Titer	Dtex	280-16700
	Denier	250-15000
Filaments	t	Same as raw yarn value
Twist	T/M	T±8
Tenacity		Same as raw yarn 90% value
Elongation	%	0.5% The elongation is 0.5% higher than the raw yarn
Hot Air Shrinkage	%	0.5% The HTyarn is 0.5% lower than the raw yarn 0.2% The LS yarn is 0.2% lower than the raw yarn
S/Z		(S or Z)
Application: Woven fabric, Canvas, Fire hose, Filter Fabric, Seat belt, Sewing Thread		

Multi-Ply Twisted yarn

Titer	Dtex	33000-132000
	Denier	30000-120000
Tenacity		Same as raw yarn 85% value
Elongation	%	0.5% The elongation is 0.5% higher than the raw yarn
Hot Air Shrinkage	%	0.5% Lower than the raw yarn 0.5%
Twist	T/M	T±6
Application: Rope, Round Sling, Geotextile		