



PA-6 YARN LIGHT&HEAT STABILIZED WHITENED

No	Property	BISFA Indication	Measuring Unit	Value		
1	Nominal linear density	LD	dtex	1870	1440	935
2	Number of filament in complex yarn	-	-	280	140	
3	Deviation of actual linear density from nominal one	-	%	±3.0		
4	Specific breaking strength, min	-	mN/dtex	85.0		
5	Coefficient of variation of breaking strength b/w the packages, max	CVb	%	3.0		
6	Elongation at break, max	EAB	%	25.0		
7	Hot air linear shrinkage, max	HAS	%	8.0		
8	Yellowness index, max	YD	units	0		
9	Heat resistance, min (177±1°C, 4 hrs)	-	%	85		
10	Spin finish content, max (petroleum-ether)	-	%	1.2		
11	Package weight and type	-	g	11000±500	9000±500	
				Cylindrical bobbin		

- The yarn is produced with reserving a tail of min. 1m length.

<i>Tube length, mm</i>	300.0	<i>Inner diameter, mm</i>	94.0
<i>Beam diameter, mm, max</i>	290.0	<i>Beam length, mm, max</i>	250.0

- Each bobbin is wrapped with paper or polymer foil. Bobbins are placed onto pallets forming a block-package using intermediate plates while palletizing. A wooden cover is placed onto the upper yarn row. The block-package is strapped and stretch-foiled.
- Marks and spots tinturing with fugitive dyestuff are not tolerated.
- Color shades inside packages and packages of one lot are not tolerated.
- Max. one lot of the same *dtex* and assortment in a single load is admitted. Number or lots in a single load may be changed under written agreement with the customer.
- Before starting the tests, min. 500 m of upper layer of the winding should be unwound from each bobbin.

Determination of breaking strength & elongation		Determination of linear shrinkage	
Machine type	Testing machine "Instron"	Instrument type	"Testrit"
Clamps	Air-operated	Testing temperature, °C	160±1
Length b/w clamps, mm	250±1		
Protection twist, tpm	50±10	Testing duration, min	2
Clamps extension rate, mm/min	200	Pretension, g/dtex	0.05
Pretension, g/dtex	0.1		