



**PA-6 YARN LIGHT STABILIZED DYED IN BLACK**  
(Traditional Technology)

No	Property	BISFA Indication	Measuring Unit	Value	
1	Appearance	-	-	black, bright	
2	Nominal linear density	LD	dtex	935	1870
3	Nominal count of filaments	-	-	140	280
4	Deviation of actual linear density from nominal one	-	%	±5.0	
5	Specific braking strength, min	BT	mN/dtex	62	
6	Yarn elongation at break, max	EAB	%	21	
7	Number of twists per 1m of yarn	-	tpm	30(+10/-15)	
8	Hot air shrinkage	HAS	%	7.5±1.5	
9	Package weight and type	-	g	2100±200	2300±200
				pineapple bobbin	

- It is admitted to connect yarn ends with device type "Splicer". Tenacity of spliced connection is min. 75% of the main yarn. The number of bobbins with spliced connection in a lot is max. 50%.
- The yarn is produced with reserving a transfer tail of min. 1m length.

<i>Tube length, mm</i>	<i>300±0.5</i>	<i>Tube inner diameter, mm</i>	<i>59.9</i>
<i>Bobbin outer diameter, mm, max</i>	<i>150</i>	<i>Beam length, mm</i>	<i>265</i>

- Each bobbin is wrapped with paper or polymer foil. Bobbins are packed into cartons made from corrugated board. Each carton is strapped. Yarn with spliced connection is packed separately into cartons marked with the letter "S" on the upper side of the carton. Cartons are put onto a pallet forming a block-package then stretch-foiled.
- Color shades inside the packages, between the packages of one lot are not tolerated.
- It is admitted no more than one lot of the same tex and assortment in a single load.
- Number of lots in a single load may be changed under written agreement with the customer.
- Truck loading and loading-up with single cartons is admitted.

Determination of breaking strength & elongation		Determination of hot air shrinkage	
Machine type	IR 5062 – 0.5	Machine type	SPT-200
Length b/w clamps, mm	500±1	Testing temperature (in oven), °C	150±3
Pretension, g dtex 935 dtex 1870	50 100	Testing duration, min in the oven cooling	30±1 30±1
Tension duration until break, sec	20±3	Pretension, g dtex 935 dtex 1870	50 100