

BIONAT

Antimicrobial Polyester Yarn



TURKTEX®



Odor
Control

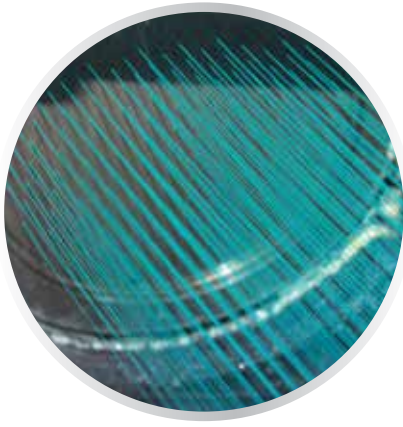


Antifungal



Inhibits Growth
of Bacteria

BioNAT, is an polyester based synthetic yar which has antibacterial and antifungal properties and it provides maximum protection against microbes.



It is produced by adding antimicrobial agents into the polymer structure during melt spinning.

With this method, antimicrobial property is locked up in fiber's structure and will not be affected by repeated washing or abrasion.

Thanks to the additives used, BioNAT blocks the growth and propagation of bacteria and fungi. It prevents the odor caused by bacteria and fungi.

- Raw white BioNAT yarns are always in stocks and dope dyed colors can be produced on demand.
- BioNAT can be produced in various (150-6000) with different features. (Air textured, friction textured and fancy)
- With our raw material stocks, we can quickly meet demands such as 150-900 counts as friction textured and 300-2700 counts as air textured.
- WoolNat or NAT group of yarns can be produced in all counts as BioNAT.

Material Properties and Advantages

BioNAT provides permanent protection against microbes. It also fights odor-causing bacteria with antibacterial agents in its structure. This provides life time refreshment and cleanliness to the fabric.

Physical activities create a warm, humid environment. Sweat causes bacteria and bacteria transfer to the fabric and this causes odor.

On untreated surfaces, bacteria reproduce in a short amount of time and consume amino acid in sweat which leads to odors.

- Anti-microbial additive has no negative effect on the color fastness to rubbing and light fastness of the textile product.
- Anti-microbial feature lasts throughout the life of the textile and does not disappear with repeated washing.
- Since BioNAT is dope dyed, there is no decrease in antimicrobial effect. In addition, its antimicrobial feature remains after fabric dyeing and yarn dyeing.



YARN TYPE	YARN NAME	RW	UNI COLOR	MULTI COLOR	DENIER	MOQ COLOR/TOTAL	PACKAGE OPTIONS
FDY	BIONAT FDY	+	M	M	150-600	1-2 tons	C4 - B4;B5
AIR TEXTURED	BIONAT 300	+	M	M	325	40/480 kgs	C1 - B1;B3
	BIONAT 450	+	M	M	470	40/480 kgs	C1 - B1;B3
	BIONAT 600	+	M	M	645	60 kgs	C1 - B1;B3
	BIONAT 1000	+	M	M	990	60 kgs	C1 - B1;B3
	BIONAT 1200	+	M	M	1290	80 kgs	C1 - B1;B3
	BIONAT 2000	+	M	M	1930	60 kgs	C1 - B1;B3
	BIONAT 2700	+	M	M	2620	80 kgs	C1 - B1;B3
WoolNAT	WoolNAT 390/540	+	M	M	370-550	40/240 kgs	C2;C3 - B1;B2;B3
	WoolNAT 760/1100/1600/3200	+	M	M	780-1160-1520-3050	60/240 kgs	C2;C3 - B1;B2;B3
TEXTURED	BIONAT 150-200	+	M	M	150-1800	40/480 kgs	C1 - B1;B3
FANCY	BIONAT Fancy	+	M	M	1200-6000	60/480 kgs	C2;C3 - B1;B2;B3
	BIONAT Chenille	+	M	M	NM6-NM 3,5	60/600 kgs	C2;C3 - B2
Denier	Counts can be adjusted on demand.						
Mininum Quantity	Depends on the article. M : Minimum quantity required.						
Delivery Time	2-4 weeks according to article and order size.						
PACKAGE OPTIONS							
CONES (WxL - kg)	TEXTURED	C1→ 26x29 cm - 4 kg			BOXES (WxLxH)	TEXTURED	B1→ 500x600x300 mm
	TWISTED/FANCY-A	C2→ 18x29 cm - 2,5 kg				TWISTED/FANCY	B2→ 500x600x230 mm
	TWISTED/FANCY-B	C3→ 14x23 cm - 2,2 kg				JUMBO	B3→ 1000x1200x900 mm
	FDY	C4→ 36x15 cm - 10 kg				CF BOX	B4→ 300x500x300 mm
Package options are showing the max kg available, cone and box kg may vary depending on the yarn process.							CF PALLET

- BioNAT' s environmental protection is at the highest level. With its controlled release mechanism BioNAT is very effective againts the microbes.
- BioLE succesfully passes antimicrobial tests and it is certified by ISO 20743 and AATCC 30. We foresee that, it will pass the other test methods in the literature.
- It is economical and easily accessible.

APPLICATIONS

Sportswear and shoes

Mendical Textile Products

Surgical Beds

Home Textile

Performance Clothes

Bed Textile








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