



**SUNNAT** is a **polyester based synthetic yarn** which is **durable to outdoor conditions**.

It provides excellent protection **against the sun and weather conditions** due to the use of **additives & special pigments** during production. Since adding only UV is not enough for making the product outdoor, the use of special pigments is crucial.

During development of **SUNNAT** long term **laboratory tests** and **real life trials** are conducted and a **high standard outdoor product** has been created.



## BASE COLORS

There are **20 unicolors** of **SUNNAT** that are tested.

We keep on **working on to increase** the number of our **base colors**.

The **feed yarn** is **final 150/48 POY RD SD**.

We **produce** all yarns **by plying**. This collection is **suitable** for **150 to 600 deniers textured & 300 to 2000 deniers air textured** both **available in unicolor or melange**.



*\*The photos might differ from the real color.  
Please request the color card.*

**ISO EN 105 B04**  
Artificial Weathering Test

- Grade 8
- Grade 7+
- Grade 7
- Grade 6



**STOCK  
SYSTEM**

We have **full range final 150/48 stock system**.

And **production textured and air textured in 1 week**.

Also, **white POY and FDY 75 to 300 denier in the stock system**.

*\*Please ask for further information.*

## NEW COLORS

There is an option to request **new colors** with the **minimum order quantity** of **2 tons per color**.

However, since the **testing lasts 3 months**, we cannot guarantee the color fastness for new colors.

## MULTI-COLORS

There is an option to create countless multicolors using the base colors provided.

## PRODUCT LIST

Group	Article	Color Uni/Multi	Main Colors	Actual Denier	Delivery Time Weeks	Cone		Jumbo Box			Box		
						Size (cm)	kg	Size (cm)	Pcs.	kg	Size (cm)	Pcs.	kg
<b>DTY</b> (Draw Textured Yarn)	SUNNAT 150/48 SD DD	U	20	150	1-2 W	19D/29L	3,3	100x120x135H	128	422	50x60x30H	8	26
	SUNNAT 300/96 SD DD	U/M	20	300	1-2 W	19D/29L	3,3	100x120x135H	128	422	50x60x30H	8	26
	SUNNAT 450/144 SD DD	U/M	20	450	1-2 W	19D/29L	3,3	100x120x135H	128	422	50x60x30H	8	26
	SUNNAT 600/192 SD DD	U/M	20	600	1-2 W	19D/29L	3,3	100x120x135H	128	422	50x60x30H	8	26
<b>ATY</b> (Air Textured Yarn)	SUNNAT 320	U/M	20	345	1-2 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT 480	U/M	20	500	1-2 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT 600	U/M	20	660	1-2 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT 1000	U/M	20	1080	1-2 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT 1200	U/M	20	1300	1-2 W	23D/29L	4,5	100x120x135H	80	360	50x60x30H	5	23
	SUNNAT 2000	U/M	20	2000	1-2 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT 2000 DEGRADE	M	20	2000	1-2 W	23D/29L	3,0	100x120x135H	80	240	50x60x30H	5	15
<b>FANCY / BOUCLE</b>	SUNNAT WL BLT 2100	U/M	20	2100	2-3 W	23D/23L	3,0	100x120x135H	100	300	50x60x25H	5	15
	SUNNAT WL BLT 3100	U/M	20	3050	2-3 W	23D/23L	3,0	100x120x135H	100	300	50x60x25H	5	15
	SUNNAT WL BLT 4100	U/M	20	4000	2-3 W	23D/23L	3,0	100x120x135H	100	300	50x60x25H	5	15
	SUNNAT TEX BLT 2200	U/M	20	2100	2-3 W	19D/23L	2,8	100x120x135H	160	448	50x60x25H	8	22
	SUNNAT TEX BLT 4000	U/M	20	3850	2-3 W	19D/23L	2,8	100x120x135H	160	448	50x60x25H	8	22
<b>FANCY / SLUB</b>	SUNNAT MSD 330 - 660	U/M	20	330 - 660	2-3 W	23D/29L	4,2	100x120x135H	80	336	50x60x30H	5	21
	SUNNAT FLD 540	U/M	20	540	2-3 W	19D/29L	2,9	100x120x135H	128	371	50x60x30H	8	23
	SUNNAT COMO 550 - 1100	U/M	20	550 - 1100	2-3 W	19D/29L	2,9	100x120x135H	128	371	50x60x30H	8	23
<b>POY</b>	SUNNAT 250/48 POY SD	U	20	153	Stock	36D/15L	10,0	115x115x125H	63	630	75x37x15,5H	2	20
<b>CHENILLE</b>	SUNNAT CHENILLE NM 2,5 - 6	U	20	153	3-4W	23D/23L	2,8	100x120x135H	100	280	50x60x25H	5	14

MOQ is Jumbo Box for all items

1/2 MOQ with 0,10 Euro surcharge

60-80 kgs (depending yarn) 0,20 Euro Surcharge

*\*Please ask for special production*

## TEST METHODS

### ISO EN 105 B04

#### Colour Fastness to Artificial Weathering

The test determines the light fastness of a dyed or printed textile product during the production process and usage. This test makes a great contribution to benchmarking, analyzing the problem that may occur in the early period, examining the effect of additives on color and obtaining the right formulation.

### ASTM G154

#### Determination of the Effect of Accelerated Weathering

Accelerated weathering device simulates the effects of sunlight, rain, moisture and dew on textile products.

It makes it possible to monitor the observations that will last for years in the external environment by reducing them to weekly basis.

Owing to the accelerated weathering device, which is one of the most important devices of our laboratory, potential problems are analyzed at the R&D stage and the integration of textile products into outdoor conditions are ensured.

Thanks to the latest model devices in our laboratory, we closely monitor the performance of our products in R&D and production stages.

*\*We offer to test the SUNNAT fabrics produced by our customers.*

## TWISTING

**150 to 70.000 deniers** possible for twisting. **Single or multi-twisting** is available.

*\*All counts are in deniers.*

*\*Flame Retardant Recycled versions are available. Please check SUNNAT ReNAT FR Brochure.*