What is dope dyed yarn?

 Dope dyed yarns are created by adding masterbatch colorant to the polymer during the spin process.

Masterbatch

- A system to add colors and additives to polymers.
- It provides exact color definition, highest fastness, adjustment and reproduction regardless of batch size.





Environmentally Friendly



- Zero water consumption
- Saving energy
- Zero water pollution and COD*



Save Water

Fabric	Dying process	Water usage
1kg		10L
380g/yard with 10,000yard ————		38,000L
6L of toilet water		6,333 flush cycles



*Color uniformity between lots

Excellent Color Fastness

No dye migration issues

*Color fastness to Washing	Class 4.5
*Color fastness to Water	Class 4.5
*Color fastness to Rubbing	Class 4.5
*Color fastness to Light	Class 4.5
*Color fastness to Perspiration	Class 4.5

--The test is based on Dope dyed BLACK yarn.

Benefits - Quality

- Maintain identical quality so that shade variance could be restrained within the tolerated range.
- Manage well in mixing masterbatch and nylon polymer thoroughly to reach shade invariance for the same lot.





- Shorter lead time due to avoiding the dyeing process.
- Buyers know precisely the colors before they order.

Benefits - Cost



- Production cost savings
- Energy savings
- Water savings

Application of dope dyed yarn

Color fastness to LIGHT



Color fastness to RUBBING



Application of dope dyed yarn

Color fastness to PERSPIRATION



Color fastness to WATER



SUNTEX's Strength

- Suntex could cooperate with the project at developmental stage.
- Suntex could produce a small quantity for matching color purpose.

BARL2210P XAARL220 XSARL412 AARL28136 Pantone 18-4043 TPG Pantone 18-4244 TPG Pantone 18-3949 TPG Pantone 19-4340 TPG Palace Blue Directoire Blue Dazzling Blue Lyons Blue 靛青藍 靜謐藍 観麗藍 波斯藍 XAARL412 XSARL548P XAARL22 XPARL434 Pantone 15-4421 TPG Pantone 14-4121 TPG Pantone 12-4247 TPG Pantone 17-4041 TPG Blue Grotto Marine Blue Bell Diva Blue 碧海藍 海水藍 希臘藍 寶石藍 BARP534P XHARL524P XAARP617P XIARL412 Pantone 18-3737 TPG Pantone 16-3921 TPG Pantone 15-4319 TPG Pantone 14-4122 TPG Passion Flower Blue Heron Air Blue Airy Blue 藤夢紫 夢幻藍 天空藍 輕盈藍 XKARP548P XAARY412 XLARP548P XHARP412 Pantone 19-3750 TPG Pantone 18-3838 TPG Pantone 19-3850 TPG Pantone 19-3847 TPG Violet Indigo Ultra Violet Liberty Deep Blue

葡萄紫

靛藍紫

水晶紫

薰衣草

XBARP434 XEARP412 XDARP412 XCARP434 Pantone 19-2024 TPG Pantone 17-1612 TPG Pantone 19-1629 TPG Pantone 17-3410 TPG Ruby / Wine Rhododendron Mellow Mauve Valerian 奢華紫 魔幻紫 瑰雁紫 丁香紫 XFARR412 XCARR220 XAARR220 XGAARR434 Pantone 18-1662 TPG Pantone 18-1660 TPG Pantone 19-1662 TPG Pantone 18-1852 TPG Flame Scarlet Tamato Samba Rose Red 胭脂紅 番茄紅 森巴紅 玫瑰紅 XCARR220 XBARR434 15RDA2096 BARR21102 Pantone 18-1664 TPG Pantone 16-1451 TPG Pantone 17-1656 TPG Pantone 19-1557 TPG Fiery Red Nasturtium Hot Coral Chili Pepper 火鶴紅 芙蓉紅 珊瑚紅 辣椒紅 13COA2148S XAARC3512 15RDC2096 Pantone 16-1710 TPG Pantone 14-1907 TPG Pantone 19-1650 TPG Pantone 19-1726 TPG Foxglove Peach Skin Biking Red Cordovan 深紫紅 蜜桃粉 湘妃紅

赫赤紅

XAARY412 XGARY448 XIARY424 XCARY412 Pantone 11-0617 TPG Pantone 12-0740 TPG Pantone 12-0752 TPG Pantone 12-0826 TPG Transparent Yellow Limelight Buttercup Golden Haze 萊姆黃 鵝絨黃 玉米黄 琥珀黄 XHARY512P XDARY448 XFARY424 XCARC412 Pantone 16-1142 PG Pantone 14-0848 TPG Pantone 13-0940 TPG Pantone 12-0643 TPG Golden Nugget Sunset Gold Mimosa Blazing Yellow 暖心褐 芥末黄 流沙黃 耀眼黃 XAARN3512 XBARN434 XAARN434 XEARN412 Pantone 15-6340 TPG Pantone 14-4809 TPG Pantone 12-5407 TPG Pantone 13-6008 TPG Irish Green Eggshell Blue Aqua Glass Misty Jade 天使綠 極光線 精品綠 寶石綠 XDARN434 NEW **NEW** XAARN2148 Pantone 13-0117 TPG Pantone 15-0343 TPG Pantone 16-5421 TPG Pantone 15-5209 TPG

Greenery

青蘋綠

See Green

湖水綠

Green Ash

梣木綠

Aqua Haze

模雅綠

