



WATER-LESS

Ecofriendly Dying Technology

SOLUTION DYED YARNS

Solution Dyeing is, providing functionality to the yarn or coloring the yarn, through adding additive directly to the melting polymer, at the spinning process. Unlike conventional dyeing, there is no need to use of water in mass Solution dyeing is increasingly getting important with environmental motivations. Adding color and functional masterbatches to melting polymer during the spinning production is an advantageous method in terms of both water consumption and reducing the carbon footprint impact. The traditional problem in Solution dyeing has always been the lack of production flexibility. Small quantity of color demands cannot be supplied quickly. However, this situation is changing because today, flexible processes that can produce yarn with very small lots are commercialized. In addition, both coloring and functional masterbatch production technology is developing.

Solution dyeing also have a lot of technical advantages compared to conventional dyeing. For example, coloring with masterbatch by using pigments providing high light fastnesses, 7-8 levels of color fastness can be maintained up to 2000-4000 hours according to ISO 105 B04 test standard.

Benefit:

- Eco friendly.
- Color consistency.
- Better color fastness.
- Light fastness characteristics in mass production.
- Save water resources.
- Reduce CO2 emission.

Application:

- Sportswear
- Upholstery
- Home Textile
- Military Textiles
- Automotive Textiles
- Technical Textiles

Available:

FDY-DTY- ATY, AIR JET-COVERED (single/double covered) Bright-Semidull— High Tenacity
FROM 22 TO 5000 DTEX
MOQ: 2000/3000 kg per color



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