



Low Temperature Deep Dyeing Polyester Fiber

Low Temperature Deep Dyeing Polyester Fiber is a modified copolyester with improved dyeability and comfort. The greige could be deeply dyed with disperse dye at 95~100°C. With yarn cross section shape, the Cooling-effect and moisture absorption is achieved.

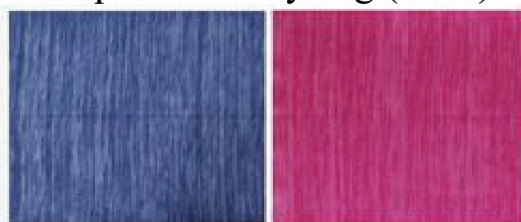
Features

- Easy dyeable under normal pressure and high color fastness
- Low energy consumption and less CO₂ emission
- Harmless to natural fiber during interweaving 、 dyeing process
- Moisture regain is 3 times higher than normal PET

Unmodified fiber (98°C)

Low-T Dyeable fiber (98°C)

Comparison of dyeing (98°C)



Composited with general fibers by disperse dye can create two tone effect

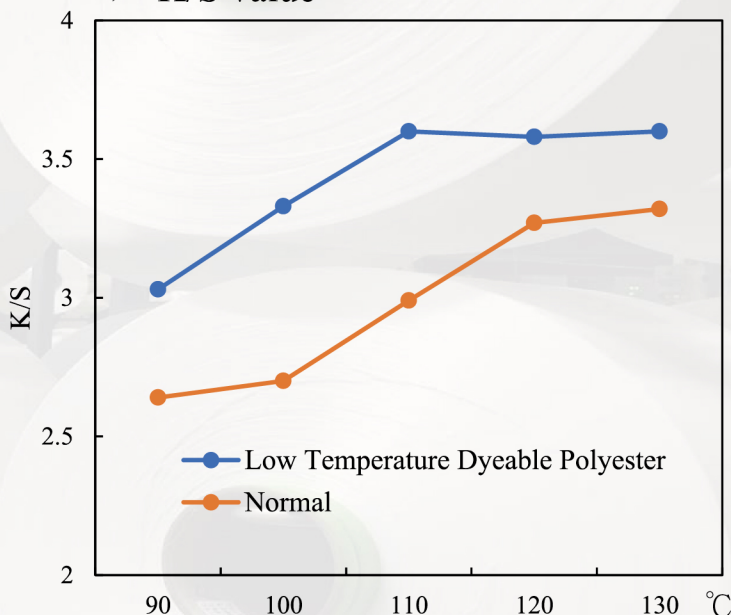
Test results

- Color fastness to washing

Test Items	AATCC 61:2013 2A at 40°C
Shade Change	4.5
Acetate	4.5
Cotton	4.5
Nylon	4.5
Polyester	4.5
Acrylic	4.5
Wool	4.5

※The rating stages is according to the gray scale are from 1-5. (1 is the worst, 5 is the best)

- K/S value



※ The Low Temperature Dyeable Fiber has reached deep dyeing at 100 °C.

Application

- Sportswear 、 Underwear
- Leisurewear
- Can be interwoven with cotton 、 wool 、 nylon

Specification

- POY : Denier 80D ~ 240D 、 Filament 24 ~ 144
- DTY : Denier 50D ~ 150D 、 Filament 24 ~ 144
- Special Function : Profiled cross section 、 UV resistance 、 Cooling

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