

TOW Product Range

Polyester Tow

Polyester tow can be broadly defined as a bundle of filaments, that are continuous in length. These filaments are essentially non-annealed.

The worsted mills process the polyester tow on a machine called 'Tow to Top Converter'. This cuts the tow into variable cut length fibres in the form of sliver. Followed by a gilling process that yields a more uniform sliver which is then packaged in the form of a ball called Polyester Tops.

These polyester tops are then blended with wool tops and spun to produce polyester woollen blended yarn, which are subsequently woven into polywool-blended fabrics.

The approx. characteristics of 100% polyester tops are as follows.

| | |
|-----------------------|------------|
| Denier | 2.5D or 3D |
| Average Length | 78mm |
| C.V.% of Fibre Length | 32% |

Wool Tops

Mills in India normally import raw wool. The 'wool grease' is then removed by scouring. This clean wool is then processed through carding, gilling, combing machines and converted into wool tops.

The characteristics of wool are determined by its micron value. Wool tops with finer microns of 17 to 19 are used to make expensive lightweight suits. Wool tops having 22.5 micron value is by and large the standard input for the worsted mills. Its properties are as follows.

| | |
|-----------------------|------|
| Wool Micron | 22.5 |
| Average Length | 72mm |
| C.V.% of fibre length | 40% |

Listed in the table below, are the TOW products made by Reliance Industries Limited for the worsted industry.

| Product | Lustre | Cross-section |
|---------------------------------|--------|---------------|
| 2.5D Normal Tow | Normal | Circular |
| 2.5D Trilobal Tow | Bright | Trilobal |
| 3.0D Trilobal Tow | Bright | Trilobal |
| 2.0D Recron® Super Black Tow | Black | Circular |
| 3.0D Recron® Super Black Tow | Black | Circular |
| 3D Dope dyed Trilobal Black Tow | Black | Trilobal |

We also offer imported lowpill tow as shown below.

2.4dtex Lowpill Tow Semidull Circular

Reliance