



Anetec® Belt Cords

Twisted Yarns and Cords for the belt reinforcement

A&E is an industry leader in the manufacturing of twisted yarns and cords for thermoplastic belt reinforcement. Products are offered in a variety of fiber types, including Para-aramids, polyester, nylon, PVA and liquid crystal polymers. Fibers can be twisted and plied to a wide variety of constructions ranging from 200 denier (220 Dtex) through 20,000 denier (22,200 Dtex). Alternating twist directions are available to neutralize belt torque.

In addition to high modulus filaments yarns, A&E is proud to introduce its proprietary air entangled yarns, called Anetec® MAGIC. These yarns are available in a variety of fiber types, including Hybrid combinations, to offer belt manufacturers increased mechanical adhesion. These yarns can be twisted and plied to other constructions.

A&E belt cords and twisted yarns can be wound to several different packaging options, including cones, tubes, or metal, paper or plastic double flanged spools. A&E specializes in winding controlled yardage per package and can ship in specific cord count sets in complimenting "S"/"Z" twist directions.



Technical Textiles

Innovate. Create. Deliver.

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Fiber Types

Polyester. Filament High Tenacity, Low Shrinkage, and Solution Dyed.

Nylon. Filament 6,0 and 6,6 High Tenacity.

Para- Aramids. DuPont™ Kevlar®, Teijin Twaron® & Kolon® Heracron®

Meta- Aramids. DuPont™ Nomex®

Liquid Crystal Polymer. Kuraray® Vectran®

Other Fibers. Specialty fibers such as Polyphenylene Sulfide (PPS), PEN and PEEK.

Physical Characteristics

- As delivered by fiber manufacturer.
- Polyester & Nylon modified by A&E to reduce yarn shrinkage.
- Polyester & Nylon modified by A&E to increase yarn elongation.
- Twisted or Plied to specification.
- Air Entangled (MAGIC) in single or multiple fiber types.
- Dyed in house to custom colors or left natural.
- Inherent Flame Retardant Polyester.

Yarn Constructions & Packaging

- Base Deniers/ Sizes.** 200 through 3000. Plied constructions are infinite.
- Twisting Options.** Single twisted monocords or multi-ply cable twist. S & Z directions.
- Flanged Bobbins.** Metal, Plastic or Paper in a variety of dimensions.
- Tubes.** 9-11 inch tubes, multiple inside and outside diameters.
- Cones.** 7 – 9 inch cone heights, multiple outside diameters.
- Specialty.** Metered yardage packages. Matched S/Z twist sets. Specific end counts.

A&E Innovations

- Physical property modifications
- Multiple variety of fiber types.
- MAGIC air entangled yarns.
- Specialty resin coatings such as Polyurethane and Polyamide.



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