



Anetec® Hose Yarns

Yarns for hose Reinforcement, Identification and Protection

Whether for EPDM Rubber, Silicone, PVC or Urethane, A&E offers a comprehensive line of reinforcement and cover solutions.

A&E's capabilities run from 200 denier through 20,000 denier, in single end twisted and cabled constructions. A&E's fiber options includes high tenacity and ultra low shrinkage high tenacity polyester, nylon, poly vinyl alcohol, high tenacity rayon, para-aramids, meta-aramids and next generation reinforcement products such as liquid crystal polymers and polyether ether ketone (PEEK).

To compliment our filament products, A&E offers spun natural & solution dyed polyesters. A&E is proud to introduce it's proprietary entangled filament yarns, called Anetec® MAGIC. These yarns, available in a variety of fiber types, hybrids, and sizes offer hose developers another option in both reinforcement and cover yarn options. Whether adhesion improvement or Flame Retardant / Chemical Resistance is the goal, MAGIC yarns provide a cleaner, stronger and higher yield option.

A&E offers all yarns precision wound on industry standard yarn put-ups, including Knit/ Spiral Cones, multiple braider tube sizes, flanged bobbins and spools. Investment in the newest generation of winding equipment allows A&E to provide maximum package stability and yield at minimum yarn waste levels.

Please Inquire on special constructions and packaging configurations.



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. Multiple options available in filament & spun

Meta- Aramids. Continuous filament and spun staple.

Rayon. High tenacity viscose filament.

Spun Yarns. Polyester, cotton, aramids available natural or in colors.

Other Fibers. Specialty fibers such as liquid crystal polymer, PEN and PEEK

Physical Characteristics

- As delivered by fiber manufacturer.
- Modified by A&E to reduce yarn shrinkage.
- Modified by A&E to increase yarn elongation.
- Flat, 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 Packaging

- Cones.** 7 Inches to 9 inches. 8 pounds to 12 pounds per package.
- Tubes.** Inside Diameters from 5/8" to 4". Lengths from 4" to 11". Up to 25 pounds.
- Kingspools.** Large size kingspools for specialize machinery.
- Flanged Bobbins.** Flanged bobbins top & bottom.
- Braider Tubes.** Wardwell, Karg, OMA, MR11 and Others
- Specialty.** Multiple end winding, Tape Winding, Square or tapered shoulders.

A&E Innovations

- Physical property modifications**
- Inherently FR entangled Polyester.**
- MAGIC air entangled yarns.**
- Tape Wound Yarns.**
- Specialty resin coatings such as Polyurethane and Polyamide.**

