

Aramid

Varamix®

Nylon

Polyester

Cotton

**PAN
Carbon**



Nobody knows fibers, like we know fibers.

Fibers are our reason for existence. We expend 100% of our energy on innovating fiber technology every day.

Even after all of the years and breakthroughs, there is an entire universe of possibilities that we have yet to discover.

The next advancement could be with you. Each day, we are working on challenges that our customers bring to us - Make it stronger. Make it more flexible. Make it more resilient. Make it tougher. Make it more durable. Make it process better. Make it cost less. The challenges are always different and the answers are always in the fibers.

Which fiber? What size? Is there a combination?

Like rubber chemistry, every compound is different and many of the processing techniques vary greatly.

Introducing the appropriate fiber in the optimum length, sometimes in conjunction with other fibers or fillers, can have a dramatic impact on many of the most critical properties such as:

- Tensile Modulus
- Durability
- Cut and Tear Resistance
- Compression Set
- Abrasion Resistance
- Yield Points
- Dynamic Fatigue
- Ultimate Tensile Strength
- Dynamic Modulus

How much do you know about fiber technology?

If you haven't looked into our expanded universe of fibers, your information is out of date.

Today, introducing cotton, nylon, polyester or aramid into your formulation can be accomplished with consistent distribution and even dispersion. This produces consistency from batch to batch and predictable, enhanced performance in your final product.

We are not just filling a polymer space. We are introducing performance enhancing elements based on serious science. You should take a new look at fibers.

FINITE f FIBER
A DOWCO, LLC Company

Whether you are creating a new product or improving an existing one, there is no better time to bring in our expertise than right now. From the formula to the proposal to testing to production, Finite Fiber is your project specialist. We have a full selection of the highest quality fibers so we can deliver the precise solution to your formula problems.



Cotton

Spun and treated denim cotton warp threads are physically superior to fill and warp thread blends in cotton reinforcement applications. Cotton fibers are dispersible through conventional rubber equipment and moldable.

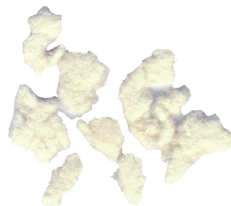
Cut Lengths..... 1mm – 7mm
 Specific Gravity..... 1.54
 Thermal Properties: Degradation and Deformation Resistant up to 200° F



Varamix®

Aramid fiber blend. High heat, high strength broad spectrum pulped aramid fiber for low stress to high stress dynamic applications. Varamix® fibers are dispersible through conventional rubber equipment and moldable.

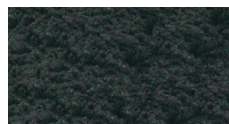
Formpulp
 Cut Lengths..... 250 microns – 1mm
 Specific Gravity..... 1.45
 Melting Point: Thermally stable up to 500° F intermittent up to 800° F



Aramid

Low surface area aramid pulps. Aramid fibers are dispersible through conventional rubber equipment and moldable.

Formpulp
 Cut Lengths..... 250 microns – 1mm
 Specific Gravity..... 1.45
 Melting Point: Thermally stable up to 500° F intermittent up to 800° F



PAN Carbon

Sized, PAN precursor, milled carbon fiber, low coefficient of thermal expansion and electrically conductive. PAN carbon fibers are dispersible through conventional rubber equipment and moldable.

Cut Lengths..... 200 – 300 microns
 Specific Gravity..... 1.80
 Melting Point N/A

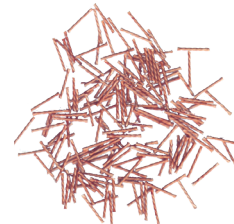
www.finitefiber.com



Nylon

RFL treated cut engineered nylon cords designed and treated for enhanced matrix dispersion. Nylon fibers are dispersible through conventional rubber equipment and moldable.

Cut Lengths..... 1mm – 1"
 Specific Gravity..... 1.14
 Melting Point 263° C / 505° F



Polyester

RFL treated cut engineered polyester cords designed and treated for enhanced matrix dispersion. Polyester fibers are dispersible through conventional rubber equipment and moldable.

Cut Lengths..... 1mm – 1"
 Specific Gravity..... 1.39
 Melting Point 260° C / 500° F

**Innovating Fiber
 Technology Daily**

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