

NYCONG-NANO

Environmentally Friendly Nano Fiber Technology



Description

As a structural material, Nycon's reinforcing fibers allow products to withstand the forces of nature for decades. Now, with NyconG-Nano fibers, your products are kinder to nature than ever before. In addition to superior three-dimensional fiber reinforcement, NyconG-Nano is a nano-sized, free-flowing, fibrous material that provides an environmentally sound choice for sustainable products.

Proven effective in countless applications, NyconG-Nano fibers are made from 100% reclaimed carpet. For years little has been done with carpet waste besides throwing it away. Today, thanks to an advanced patented technology (USP #6,971,784) Nycon "harvests" carpet waste, much like an agricultural asset. Carpet once taken to landfills is now a resource for high-value reinforcing fibers. NyconG-Nano can also be factory blended with many of our other high-performance virgin fibers to provide a free-flowing blend with superior properties.

Properties

Designed specifically as a free-flowing, nano fiber reinforcement, NyconG-Nano is a microscopic blend of nylon fibers and a controlled percentage of calcium carbonate particles. Production and packaging standards of NyconG fibers adhere to strict quality control measures.

- Three-dimensional, uniform nano reinforcement
- Stronger than polypropylene
- Free flowing product
- Unlike polypropylene, will not float to the surface
- Corrosion-free
- Virtually unnoticeable in finished products
- Withstand temperatures up to 491 °F (255 °C)
- Overall improvement in product integrity and soundness

Benefits

- Reduced cracking
- Improved tensile strength
- Increased compressive strength, impact resistance
- Improved fatigue crack-resistance

- Reduced strip and finishing time
- Overall improvement in integrity and soundness

Advantages

- Lower production costs
- Environmentally friendly
- Ideal for dry package applications and products requiring 'Green' fiber reinforcement.

One Source

Specifiers and manufacturers have a choice of fiber-reinforcing solutions when they do business with Nycon. Along with NyconG-Nano, we offer a complete line of fibers for concrete, asphalt, plastic and soil reinforcement, including nylon, polypropylene, fiberglass, PVA, cellulose, steel and synthetic/steel blends. To insure our solutions are utilized to the best advantage, our engineers assist in the design, specification, and production of Nycon-modified products.

For more information call toll-free 800.456.9266 or email us at nycon@nycon.com.

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