

Product Data Sheet



GENERAL DESCRIPTION

RFL surface treated, engineered textile fibers. Constructed, multi-filament, plied and twisted fiber bundles designed and treated for enhanced matrix dispersion. Nylon is a semi-crystalline material.

CHARACTERISTICS AND PROCESSES

Nylon is characterized by its dimensional stability, relative high melting point, high tensile strength, abrasion resistance, chemical stability, tear and cut strength and light weight making it popular for use in an array of industrial and consumer products. Nylon fiber is considered a performance engineered thermoplastic.

Treated constructed fibers are easily mixed and dispersed with conventional rubber equipment such as internal mixers and mixing mills. Anisotropic alignment of the fibrils in the machine direction allows for controlled alignment in subsequent molding operations. Typically, longer fibers are best used in compression, transfer, low head pressure extrusion and calendaring machinery. Nylon fibers can also be used in low shear open mixers where break down of the fiber bundle is unintended.

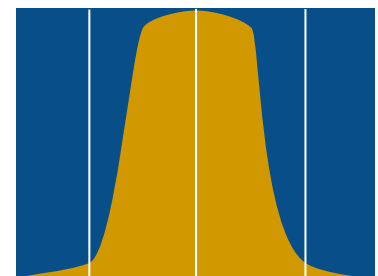
Physical Properties

Form	-----	Precision Cut
Composition	-----	Semi- Crystalline Polymer
Standard Nominal Lengths	-----	1mm, 3mm, 8mm, Random
Specific Gravity	-----	1.14
Ash Weight	-----	<1%
Melting Point	-----	263°C / 505°F
Water Absorption	-----	<5%
Color	-----	Black/Brown

Standard Packaging Options

Low-Melt Bags (71° C, 160°F)	-----	5lbs. - 21lbs.
Bulk Box (40 ^{3/8} " x 34 ^{3/8} " x 30")	-----	350lbs. - 450lbs.
Bulk Box (39 ^{1/2} " x 33 ^{1/2} " x 43 ^{1/2} ")	-----	600lbs. - 800lbs.
Super Sack (38" x 38" x 46")	-----	750lbs. - 900lbs.

STANDARD
CUT LENGTH
DISTRIBUTION



.5mm	1mm	2mm
2mm	3mm	4mm
6mm	8mm	11mm
3mm	Random	20mm

Custom Sizes Are Available