

## Product Data Sheet



### GENERAL DESCRIPTION

High tensile, RFL treated engineered textile fiber. Constructed multi-filament plied and twisted fiber bundles designed and treated for enhanced matrix dispersion. Polyesters are semi-crystalline materials.

### CHARACTERISTICS AND PROCESSES

High tensile Polyester is characterized by its dimensional stability at high temperatures, high breaking strengths, excellent resistance to mildew and acids, with good aging, abrasion resistance, high tensile strength, resilience and resistance to stretching, as well as, superior compressibility.

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 directional reinforcement in subsequent molding operations. Typically, longer fibers are best used in compression, transfer, low head pressure extrusion and calendaring machinery. Polyester fibers can also be used in low shear open mixers where breakdown of the fiber bundle is unintended.

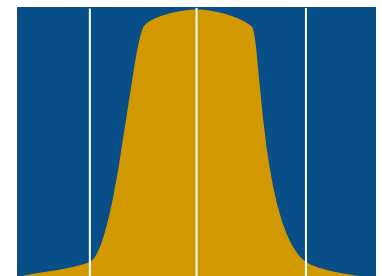
### Physical Properties

Form -----	Precision Cut
Composition-----	Semi-Crystalline Polymer
Standard Nominal Lengths -----	3mm, 4mm, 8mm, Random
Specific Gravity-----	1.39
Ash Weight -----	under 1%
Melting Point -----	263°C / 505°F
Water Absorption -----	<1%
Color -----	Black/Brown

#### Standard Packaging Options

Low-Melt Bags (71° C, 160°F) -----	6lbs. - 25 lbs.
Bulk Box (40 <sup>3/8"</sup> x 34 <sup>3/8"</sup> x 30") -----	400lbs. - 500lbs.
Bulk Box (39 <sup>1/2"</sup> x 33 <sup>1/2"</sup> x 43 <sup>1/2"</sup> ) -----	650lbs. - 900lbs.
Super Sack (38" x 38" x 46") -----	850lbs. - 1,000lbs.

STANDARD  
CUT LENGTH  
DISTRIBUTION



2mm    3mm    4mm  
 3 mm    4mm    5mm  
 6 mm    8mm    11mm  
 3 MM    Random    20 MM

Custom Sizes Are Available