

MINIFIBERS, INC.

Technical Data Sheet

POLYESTER FIBERS Low Shrink, High Modulus Surface Treated for Rubber Applications

General Description: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polymer composed of at least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalate units and parasubstituted hydroxybenzoate units.

Standard Filament Sizes: 3.0 denier per filament (dpf)

Standard Cut Lengths: 1/8", 1/4", 1/2", 3/4", and 1"
(3mm, 6mm, 13mm, 19mm, and 26mm)
Other lengths available upon request.

Shrinkage, Hot Air, 180°C, 2 min (%): ~2-3%

Breaking Tenacity (gpd): ~8.0

Initial Moisture Content (%): <3.0%

Average Moisture Regain of Polyester (%): <1.0%

Specific Gravity (g/cm³): 1.38

Effect of Heat: Sticks at 440 to 450°F. Softens at 464°F. Melts at 500°F.

Chemical Reactivity: Good resistance to acids. Not resistant to strong alkalis. Good resistance to organic solvents.

Surface Treatment: Treated with zinc stearate finish to improve adhesion to various rubber compounds.

Packaging: Fiber is packaged in corrugated boxes with polyethylene liners. Custom packaging available upon request.

The above information is provided to describe typical values and does not constitute a product specification. MiniFIBERS warrants that for each Product sold, such Product will meet the standard specifications provided for that Product and will be of a quality consistent with the standard specifications. This is the sole warranty given with respect to the Product, and is given expressly in lieu of any other warranties, expressed or implied, including without limitation any implied or general warranty of merchantability or of fitness for a particular purpose. It is expressly understood that any technical advice or assistance that may be provided by MiniFIBERS is rendered without compensation, and MiniFIBERS assumes no obligation or liability for such advice or assistance given, or for results obtained.