

Technical Data Sheet

RAYON FIBERS High Tenacity Tire Cord

General Description: A manufactured fiber composed of regenerated cellulose, including those in which substituents have not replaced more than 15% of the hydrogens of the hydroxyl groups.

Standard Filament Sizes: 1.5 denier per filament (dpf)

Standard Cut Lengths: 1/16", 1/8", 1/4", 1/2", 3/4", and 1"
(2mm, 3mm, 6mm, 12mm, 19mm, and 25mm)
Other lengths available upon request.

Shrinkage, Boiling Water, 30 min.: 7.0 to 13.5%

Breaking Tenacity: 4.9 to 5.3

Elongation at Break: 9.0 to 21.7%

Moisture Content: 4.0 to 18.0%

Moisture Regain: 13%

Specific Gravity (g/cm³): 1.48 to 1.54

Effect of Heat: Does not melt. Weakens at 300°F. Decomposes at 325 to 464°F under extended periods of exposure.

Chemical Reactivity: Not resistant to strong acids. Excellent resistance to strong alkalis.

Dispersion: Easily dispersed in aqueous and non-aqueous systems. Surface treatment to aid dispersion applied as required.

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