

MINIFIBERS, INC.

Technical Data Sheet

PARA-ARAMID FIBERS Product Code Prefix: PASTD-015ERH

Definition of Para-Aramid Fibers: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polyamide in which at least 85% of the amide linkages attach directly to two aromatic rings.

Standard Filament Size: 1.5 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, 160°C, 4 min.: 0.1%

Breaking Tenacity: 22.6 g/den

Initial Moisture Content: <7.0%

Average Moisture Regain of Para-Aramid: 3.5 to 7.0%

Specific Gravity: 1.44 g/cm³

Effect of Heat: Does not melt. Decomposes at about 900°F.

Chemical Reactivity: Good resistance to diluted acids and bases. Degraded by strong mineral acids and, to lesser extent, by strong mineral bases.

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

Packaging: Standard packaging is corrugated boxes with polyethylene liners. Custom packaging available upon request.

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