MINIFIBERS, INC.

Technical Data Sheet

META-ARAMID FIBERS
Product Code: MASTD-027NRH-0700

General Description: A manufactured fiber in which the fiber-forming substance is a long-chain synthetic polyamide in which 85% of the amide linkages are attached directly to two aromatic rings.

Standard Filament Sizes: **2.7 denier per filament (dpf)**

Standard Cut Lengths: 7mm

Shrinkage, Hot Air, 285ºC, 30 min. (%): <4.0

Breaking Tenacity (gpd): 2.6 to 5.0

Initial Moisture Content (%): 12 to 24

Average Moisture Regain of Nomex (%): 3.5 to 5.1

Specific Gravity (g/cm^3): 1.37 to 1.38

Limiting Oxygen Index (LOI): 28

Effect of Heat: Does not melt. Does not propogate flame. Decomposes at 700ºF. At about 800ºF, carbonizes and forms a tough char.

Chemical Reactivity: Unaffected by most acids, except for some strength loss after long exposure to hydrochloric, nitric, or sulfuric acids. Generally good resistance to alkalis. Unaffected by most bleaches and solvents, except for some strength loss from exposure to sodium chlorite.

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.