

## Technical Data Sheet

### OXIDIZED PAN (OPAN) FIBERS

**Product Code Prefix: OPSTD-015KLR**

**General Description:** Oxidized PAN is a high-performance fiber created by oxidizing polyacrylonitrile precursor fibers at high temperatures in a controlled air environment, transforming it into a fiber which exhibits excellent heat resistance, strength and stability.

**Standard Filament Size:** 1.5 denier per filament (dpf)  
Other diameters may be available upon request.

**Standard Cut Lengths:** 5mm, 6mm, 10mm, 12mm, 18mm, 25mm  
Flock and other lengths available upon request.

**Shrinkage:** Does not shrink.

**Breaking Tenacity:** ~2.1 – 2.6 gpd

**Elongation:** ~22 – 28%

**Modulus:** ~65 – 78 g/den

**Moisture Content:** <13.0% residual moisture as packaged

**Average Moisture Regain:** ~9.0 – 12.0%

**Specific Gravity:** 1.37 – 1.40 g/cm<sup>3</sup>

**Effect of Heat:** Does not melt, soften, or drip. Inherently fire resistant and thermally stable. No halogens, and very low toxic gas emissions upon exposure to flame.

**Chemical Resistance:** Excellent resistance to chemicals and solvents.

**Performance Characteristics:** Soft and flexible. Low thermal conductivity. Electrically non-conductive. High dimensional stability.

**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.

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