Oxford Performance Materials
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High Performance Thermoplastic OXPEKK® Materials

Preliminary data sheet for **OXPEKK® Fibers**

Monofilament

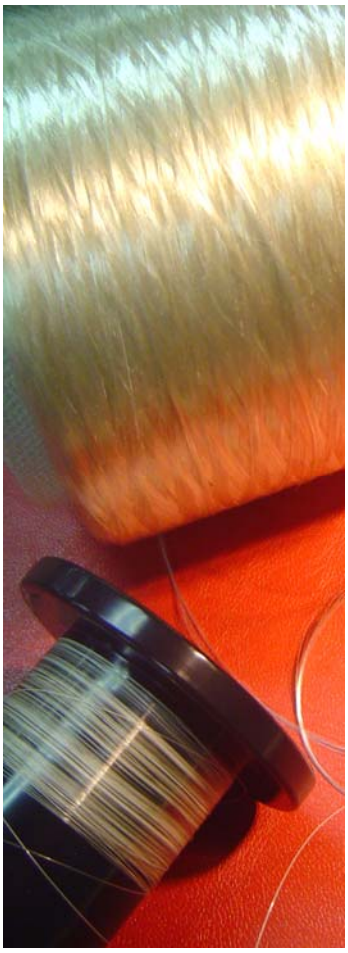
[Developmental]

AVAILABILITY:	Oriented or Unoriented
SIZES:	75 – 250 microns
STERILIZABLE:	Gamma, ETO, Steam
BIOCOMPATIBLE:	ISO 10993 and USP Class VI tested

OXPEKK-SP

Results for 150 micron highly oriented fiber

PROPERTIES	English Unit	*Metric Unit*	Amorphous Grade	
Form			Fiber Strand	
Specific Gravity	lb/cb-ft	*g/cm^3*	79.9	*1.28*
Water Absorption @ 24 hrs	%	*%*	<0.2	*<0.2*
MECHANICAL				
Diameter	in	*micron*	0.00693	*176.022*
Peak Load	oz	*gf*	49.67	*1408.2*
Peak Stress	ksi	*MPa*	82.47	*568.61*
Strain (Break)	%	*%*	14	*14*
Modulus	ksi	*MPa*	1118	*7708.34*
Tensile Strength (Break)	ksi	*MPa*	85	*586*
THERMAL				
Melting Point	°F	*°C*	585	*307*
Glass Transition	°F	*°C*	310	*155*



All Fibers are currently custom made according to your specific needs.

Please contact OPM for more details.