



# FUD-3830, Revision: C PM460C-HP Optical Fiber

You have selected an application designed fiber, not fully released which may have a longer lead time than our standard products.

Parameter	Min	Nom	Max	Unit	Compliance
Operating Wavelength	460		600	nm	Design
Core Attenuation at 460 nm	130	160	190	dB/km	Measured
Core NA		0.13			Design
Cutoff	340		440	nm	Measured
Gaussian MFD at 515 nm	2.8		3.8	μm	Measured
Birefringence		0.0002			Design
Beat Length at 460 nm		2.3		mm	Design
Core Diameter		2.3		μm	Design
Clad Diameter	124		126	μm	Measured
Core/Clad Offset	0		0.5	μm	Measured
Coating Diameter	230		260	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Proof test Level	200		220	kpsi	Measured
Operating Temperature Range	-40		85	°C	Design
Comments	Matched or Depressed Cladding: Deposited cladding should be matched to silica from 0.0000 to 0.0004 Coating Requirements: UV-Cured, Dual Acrylate coating. Other Requirements: Stress Rod diameter = 25 microns nominal, by design. Distance between Stress Rod centers = 54 microns nominal, by design. Designed for lower power applications. Recommended for powers <5 mW. Bend Loss: Bend loss at 650 nm (1 turn, 15 mm radius) will be <.25 dB by design.				



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Custom developed fiber (FUD) specifications are subject to change without notice. Other configurations such as alternative form factors, optimized cut-off and UV cured color coating may be available. Let us know how Nufern can assist with your requirements.