



# FUD-4296, Revision: B 460-HP-80-BK 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	450		600	nm	Design
Core Attenuation at 515 nm		30		dB/km	Design
Core Attenuation at 635 nm	0		12	dB/km	Measured
Core NA		0.13			Design
Cutoff	410		450	nm	Measured
Gaussian MFD at 515 nm	3		4	μm	Measured
Clad Diameter	79		81	μm	Measured
Core/Clad Offset	0		0.5	μm	Measured
Coating Diameter	155		175	μm	Measured
Coating-Clad Concentricity	0		5	μm	Measured
Long Term Bend Radius	9			mm	Design
Short Term Bend Radius	4			mm	Design
Proof test Level	200		240	kpsi	Measured
Operating Temperature Range	-55		85	°C	Design
Core Diameter		2.5		μm	Design
Comments	Buffer Requirements: Fiber is inked in BLACK, with inking expected to add 5 - 10 microns to the acrylate coated diameter of the fiber. Coating Requirements: UV Cured, Dual Acrylate. Other Requirements: Designed for lower power applications. Recommended for powers <5 mW. Bend Loss: The Bend loss at 460 (100 turns, 13mm radius) is <0.001 dB, by design. Bend Radius: The Bend Radius for 0.05 dB/100 turns at 460 nm is less than LTBR, by design.				



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 Nufern products are manufactured under an ISO 9001:2008 certified quality management system.



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.