



FUD-3839, Revision: B

PM-S460-HYT-VIOLET 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
Max Attenuation @ 450 to 487	0		100	dB/km	Measured
Att. Plot Sent from 450 to 650 nm	0		1		Measured
Max Attenuation @ 488 to 650	0		50	dB/km	Measured
Customer comment:	A full spectral attenuation scan is to be preprovided with each C of C covering 450 to 650 nm as a minimum requirement. A separate plot is required for each fiber draw.				
Cutoff	390		450	nm	Measured
Customer comment:	Stable, single-mode behaviour at 458nm test in accordance with TP155 will be performed at Point Source				
Beam Divergence at 488 nm	162		198	mRads	Measured
Customer comment:	The Beam Divergence at 488 nm will be specified as 180 +/- 18 mRad, measured as 1/e^2 divergence.				
Crosstalk at 630 nm per 10 meters	-50		-26	dB	Measured
Customer comment:	This is done at 630 nm and 10 meter length of fiber due to equipment at Nufern				
Core Non-Circularity	0		15	%	Measured
Customer comment:	15% MAX Core Non-Circularity measurement at 488nm will substitute Mode Circularity at 488nm.				
Clad Diameter	124		126	µm	Measured
Core/Clad Offset	0		1	µm	Measured
Coating Diameter	230		260	µm	Measured
Bend Loss at 640 nm on 50mm diameter	0		0.5	dB	Measured
Buffer Diameter	850		950		Measured
Customer Requested Spool Length	500		1000	m	Measured
Customer Requested Tail Length	5		7	m	Measured
Proof test Level	200		220	kpsi	Measured
Customer comment:	This corresponds to a 2% strain level				
Operating Temperature Range	15		50	°C	Design
Storage Temp Range	-30		80	°C	Design
Comments	Coating Requirements: UV Cured, Dual Acrylate Coating Other Requirements: All properties of the fiber will be measured prior to buffering.				



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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.

