



PM-S350-HP

Description

Thorlabs' short wavelength, polarization-maintaining fibers are optimized for demanding applications in the UV and visible spectrum where ultra-low attenuation over long distances, resistance to radiation-induced damage, and color center formation are critical.

Specifications

Geometrical & Mechanical	
Core Diameter	2.5 μm
Cladding Diameter	125 \pm 2 μm
Coating Diameter	245 \pm 15 μm
Core-Clad Offset	\leq 0.5 μm
Coating Concentricity	<5 μm
Coating Material	UV Cured, Dual Acrylate
Core Type	Pure Silica
Operating Temperature	-40 to 85 $^{\circ}\text{C}$
Proof Test Level	\geq 200 kpsi (1.4 GN/m ²)

Optical	
Numerical Aperture	0.12
Operating Wavelength	350 - 460 nm
Second Mode Cut-off	\leq 340 nm
Mode Field Diameter (1/e ² fit - near field)	2.3 μm @ 350 nm
Beat Length	1.5 mm @ 350 nm
Birefringence	2.5 x 10 ⁻⁴

