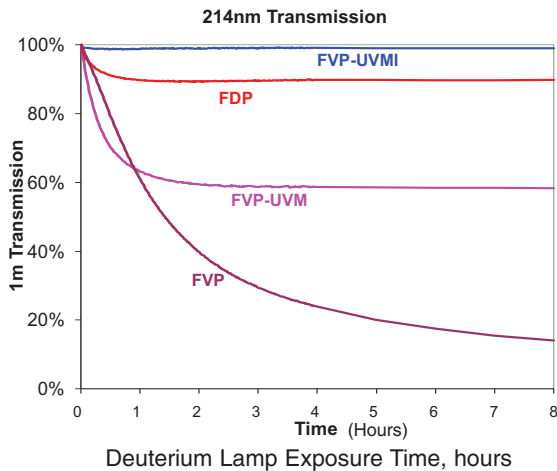


### Solarization Resistant

Typical characteristics of standard High -OH core (FV), hydrogen loaded core (UVMI), modified core (UVM) and deep UV enhanced (FD) are shown in the following table. Let Polymicro assist you in selecting the bestsuited fiber for your application. Standard core sizes of 100µm, 200µm, 300µm, 400µm, and 600µm. Custom sizes available.

### CHARACTERISTICS

Step index	Optional jacketing available	Polyimide concentricity: < 3µm
Numerical aperture: 0.22 ± 0.02	Core sizes: 50µm to > 1000µm	Polyimide buffer standard; silicone, acrylate, fluoropolymer or dual buffer also available
Uv-vis-nir transmission, 180nm to 850nm	Excellent concentricity	Temperature: operating -65° to +300°C
Sterilizable and bio-compatible – usp class vi*	Tight tolerances	Proof tested to 100kpsi
	Silica core, doped silica clad	



### Specifications

Fiber Type	Wavelength Range	Characteristics	Cost
FVP	240-850nm	<ul style="list-style-type: none"> <li>Economical</li> <li>High solarization</li> <li>Damage below 240nm</li> <li>Minimal solarization recovery</li> <li>All sizes available</li> <li>Alternate coatings available</li> </ul>	Very Low
FVP-UVM	230 +/- 10µm	<ul style="list-style-type: none"> <li>Moderate solarization damage</li> <li>Minimal solarization recovery</li> <li>All sizes available</li> <li>Alternate coatings available</li> </ul>	Low
FVP-UVMI	500 +/- 30µm	<ul style="list-style-type: none"> <li>Very small solarization damage diameter and temperature dependent</li> <li>Degradation with time</li> <li>Only larger diameters recommended (&gt;400µm)</li> <li>Refrigeration recommended when not in use</li> <li>Reverts to fvp-uvvm over time</li> <li>Available with polyimide coating only</li> </ul>	Moderate
FDP	≤5µm	<ul style="list-style-type: none"> <li>Small solarization damage</li> <li>Minimal solarization recovery</li> <li>No shelf life issues</li> <li>Diameters 100µm to 600µm available</li> <li>Available with polyimide coating only</li> </ul>	Moderate

\*The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.