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 best-suited fiber for your application. Standard core sizes of 100µm, 200µm, 300µm, 400µm, and 600µm. Custom sizes available.

**Characteristics**

<table>
<thead>
<tr>
<th>Fiber Type</th>
<th>Wavelength Range</th>
<th>Characteristics</th>
<th>Cost</th>
</tr>
</thead>
</table>
| FVP           | 240-850nm        | • Economical  
• High solarization  
• Damage below 240nm  
• Minimal solarization recovery  
• All sizes available  
• Alternate coatings available | Very Low  |
| FVP-UVM       | 200-850nm        | • Moderate solarization damage  
• Minimal solarization recovery  
• All sizes available  
• Alternate coatings available | Low       |
| FVP-UVMI      | <200-850nm       | • Very small solarization damage  
• Diameter and temperature dependent degradation with time  
• Only larger diameters recommended (≥400µm)  
• Refrigeration recommended when not in use  
• Reverts to FVP-UVM over time  
• Available with polyimide coating only | Moderate  |
| FDP           | <200-850nm       | • Small solarization damage  
• Minimal solarization recovery  
• No shelf life issues  
• Diameters 100µm to 600µm available  
• Available with polyimide coating only | Moderate  |

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

www.molex.com/polymicro