molex®

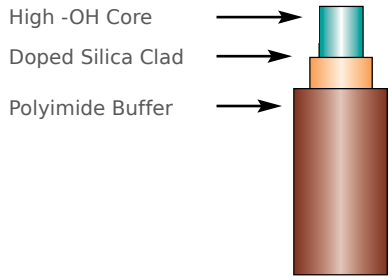
Polymicro SILICA/ SILICA Optical Fiber FDP

High -OH
Deep UV Enhanced

For applications in the deep UV region (190nm - 325nm), effects of high levels of UV radiation on the transmission of a silica core optical fiber must be considered. Solarization changes depend on the type of fiber used as well as the intensity and spectral output of the UV source. These changes are wavelength dependent.

CHARACTERISTICS

- Step index
- Numerical aperture: 0.22 ± 0.02 full acceptance cone: 25.4 degrees
- Operating wavelength down to to 190nm
- Ultra high UV transmission
- Ultra low UV solarization
- Superior radiation resistance
- Sterilizable and bio-compatible – USP class VI*
- High laser damage threshold
- High -OH silica core, doped silica cad
- Polyimide buffer standard
- Polyimide concentricity < 3µm
- Custom core sizes, buffers and assemblies available
- Proof tested to 100kpsi
- Operating temperature: –65°C to +300°C

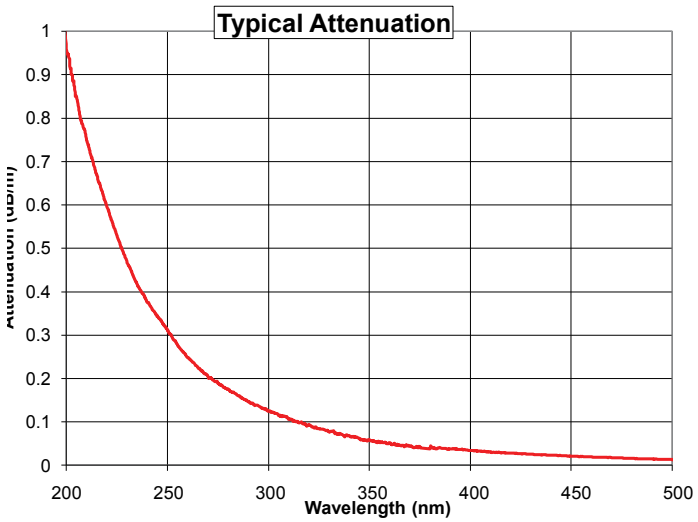


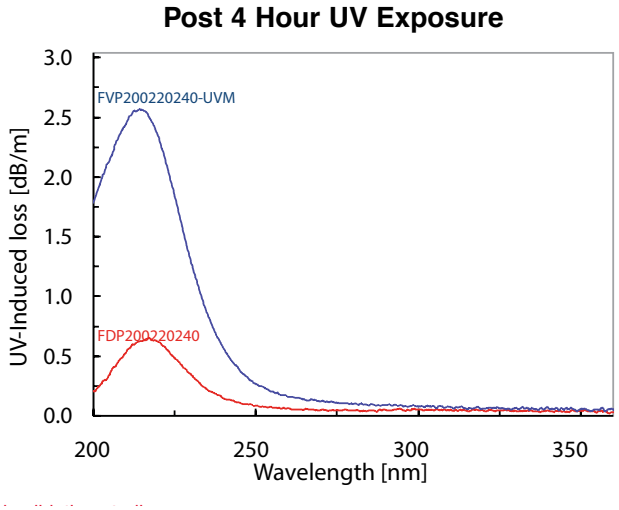
Specifications

Product Descriptor	Core (µm)	Clad (µm)	Buffer (µm)
FDP100110125	100 ± 3	110 ± 3	124 ± 3
FDP200220240	200 ± 4	220 ± 4	240 ± 5
FDP400440480	400 ± 8	440 ± 9	480 ± 7
FDP600660710	600 ± 10	660 ± 10	710 ± 10

Note: The items listed in this table are standard configurations and sizes. Other configurations may be available on request.

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





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