molex

Polymicro SILICA/SILICA Optical Fiber FBPI

FBPI: Broad Spectrum Optical Fiber for Industrial Applications
Wavelength Range: 200-2100nm
UV Solarization Resistant

This fiber possesses the NIR Attenuation of a Low-OH fiber and the UV Attenuation of a High-OH fiber. It is produced with a proprietary process that allows more flexibility to meet smaller quantity requests for a variety of core/clad ratios.

CHARACTERISTICS

Low loss, broad spectrum fiber, 200-2100nm

NIR transmission comparable to low-OH

UV transmission comparable to high-OH

Low UV solarization

Step index

Numerical aperture: 0.22 ± 0.02

Silica core, doped silica clad

Cost effective

Polyimide concentricity < 3

Tight tolerance

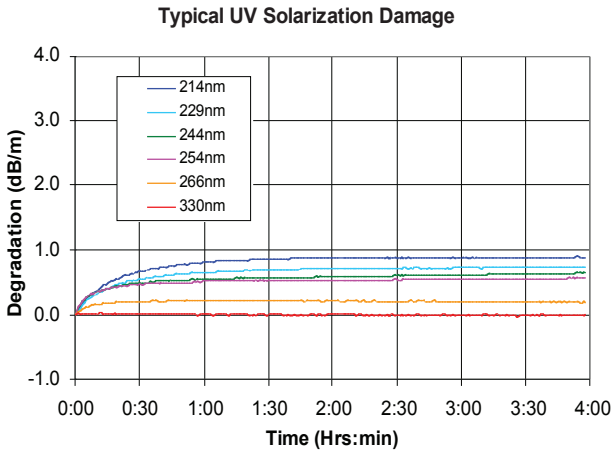
Operating temperature: -65 to +300°C

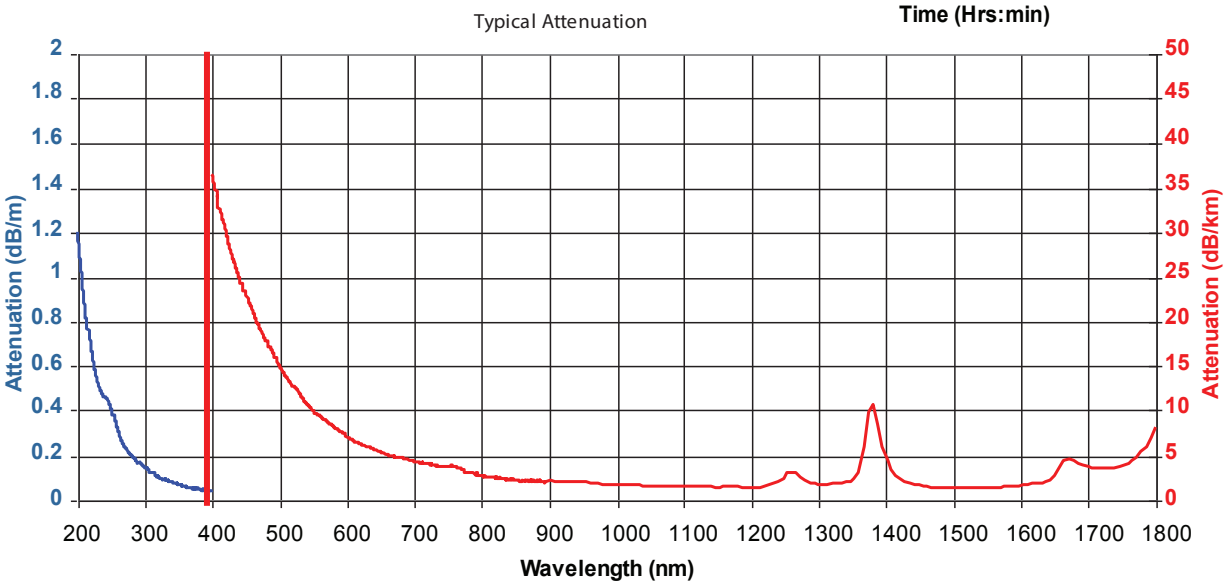
Proof tested to 100kpsi

Custom sizes, jackets and assemblies available

Specifications

Product Descriptor	Core (µm)	Clad (µm)	Buffer (µm)
FBPI 200220240	200 ± 4	220 ± 4	239 ± 5
FBPI 300330370	300 ± 6	330 ± 7	370 ± 10
FBPI 400440480	400 ± 8	440 ± 9	480 ± 10
FBPI 600660710	600 ± 10	660 ± 10	710 ± 10
FBPI100120140	100 ± 3	120 ± 3	140 ± 4





www.molex.com/polymicro