

## High-OH

### CHARACTERISTICS

Step index  
 Sterilizable and bio-compatible – USP class VI\*

Numerical aperture:  $0.22 \pm 0.02$   
 Full acceptance cone: 25.4 degrees  
 High-OH silica core, doped silica clad

UV-Vis-NIR transmission, 180 to 1,150nm  
 Polyimide and Acrylate; silicone and high-temperature acrylate also available

Superior radiation resistance  
 Polyimide concentricity  $< 3\mu\text{m}$

High laser damage threshold  
 Tighter tolerances available

## Polymicro SILICA/ SILICA Optical Fiber FV

Sizes for bundling

Temperature:  
 operating  $-65$  to  $+300^\circ\text{C}$   
 intermittent, up to  $400^\circ\text{C}$

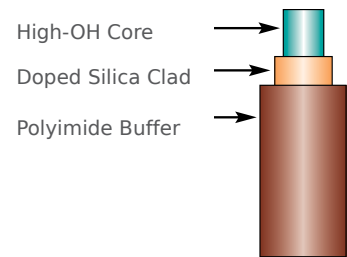
Acrylate operating temperature:  
 $-40$  to  $+90^\circ\text{C}$

Proof tested to 100kpsi

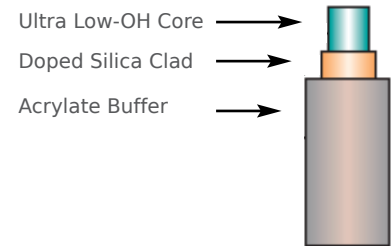
### Specifications

Product Descriptor	Core ( $\mu\text{m}$ )	Clad ( $\mu\text{m}$ )	Buffer ( $\mu\text{m}$ )
FVP050055065*	$50 \pm 2$	$55 \pm 2$	$65 \pm 2$
FVP100110125**	$100 \pm 3$	$110 \pm 3$	$124 \pm 3$
FVP100120140	$100 \pm 3$	$120 \pm 3$	$140 \pm 4$
FVP150165195***	$150 \pm 3$	$165 \pm 3$	$195 \pm 5$
FVP200220240	$200 \pm 4$	$220 \pm 4$	$239 \pm 5$
FVP200240280	$200 \pm 4$	$240 \pm 4$	$275 \pm 5$
FVP300330370	$300 \pm 6$	$330 \pm 7$	$370 \pm 10$
FVP320385415	$320 \pm 8$	$385 \pm 8$	$415 \pm 10$
FVP400440480	$400 \pm 8$	$440 \pm 9$	$480 \pm 7$
FVP600660710	$600 \pm 10$	$660 \pm 10$	$710 \pm 10$

Product Descriptor	Core ( $\mu\text{m}$ )	Clad ( $\mu\text{m}$ )	Buffer ( $\mu\text{m}$ )
FVA050125145	$50 \pm 2$	$125 +1/-3$	$145 \pm 5$
FVA050125250	$50 \pm 2$	$125 +1/-3$	$250 \pm 12$
FVA105125250	$105 \pm 2$	$125 +1/-3$	$250 \pm 12$
FVA8008801100	$800 \pm 20$	$880 \pm 15$	$1100 \pm 30$
FVA100010501250	$1000 \pm 20$	$1050 \pm 15$	$1250 \pm 40$



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



\*Additional attenuation losses may occur when used with wavelengths  $>250\text{nm}$  due to cladding thickness.  
 \*\*Additional attenuation losses may occur when used with wavelengths  $>500\text{nm}$  due to cladding thickness.  
 \*\*\*Additional attenuation losses may occur when used with wavelengths  $>750\text{nm}$  due to cladding thickness.

### Typical Attenuation

