

# ArmD<sup>®</sup> Borosilicate

## Borosilicate Glass Fiber

Borosilicate fibers provide significant advantages across various applications at a lower cost. They excel in light transmission and allow for tight packing in fiber bundles due to their high core-to-clad ratios. Bundle lengths are recommended to exceed no more than 30ft to maintain transmission efficiency.

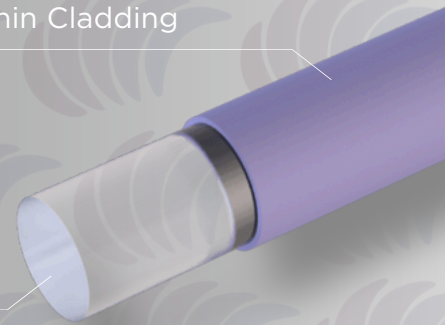
Wavelength	Numerical Aperture (NA)	
ArmD <sup>®</sup> Borosilicate 400 - 700 nm	Low	0,22 ± 0,02
		0,25 ± 0,02
	Standard	0,55 ± 0,02
		High
		0,87 ± 0,02

### Advantages

- Affordable and Quick Prototyping
- High Heat Resistance
- Large Numerical Aperture (N.A.)
- Tightly Packed Bundles
- Biocompatible material
- Sterilizable using ETO and other methods

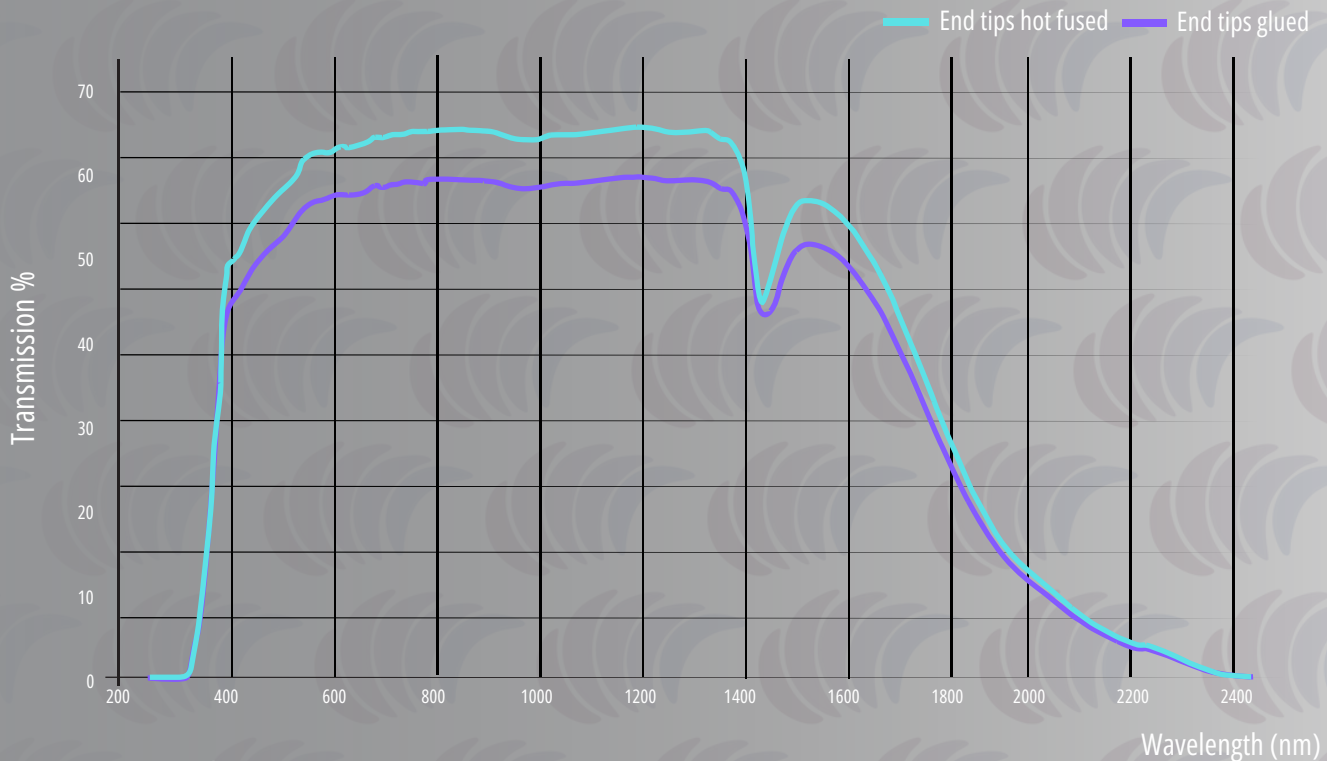
Thin Cladding

Borosilicate



### Transmission Curve

N.A. .66 .200" Diameter bundle .002" Individual fiber diameter



- Max. Operating temperature: 480°C
- Core diameter: Available from 25 to 100 μm
- Minimum bending radius: 50 X Cladding Diameter (long term)

Wavelength (nm)



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