

# ArmD™ BOROSILICATE

## Borosilicate Glass Fiber

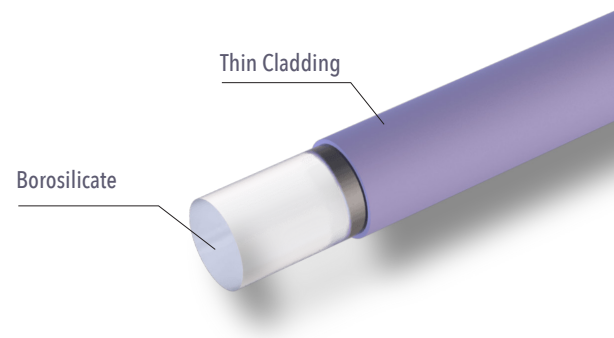
Borosilicate fibers provide significant advantages across various applications at a lower cost. They excel in light transmission and allow for tight packing in fiber bundles due to their high core-to-clad ratios. Bundle lengths are recommended to exceed no more than 30ft to maintain transmission efficiency.

Wavelength		Numerical aperture (NA)	
Borosilicate	400-700 nm	Low	$0,22 \pm 0,02$   $0,25 \pm 0,02$
		Standard	$0,55 \pm 0,02$
		High	$0,66 \pm 0,02$   $0,87 \pm 0,02$

### Borosilicate

#### Advantages

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



#### Technical data

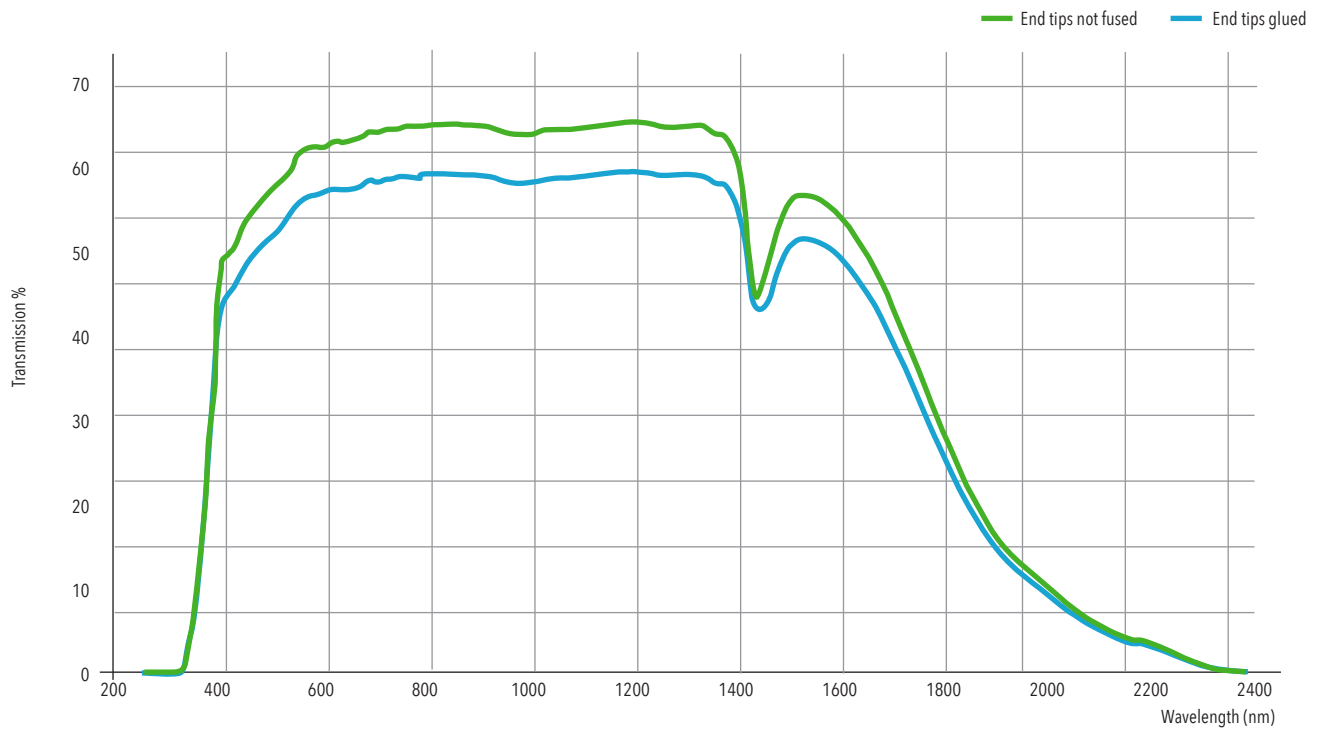
Wavelength / spectral range	400-700 nm
Numerical aperture (NA)	$0,22 \pm 0,02$ to $0,87 \pm 0,02$ or customized
Max operating temperature	480°C
Core diameter	Available from 25 to 100 $\mu\text{m}$
Minimum bending radius	50 × cladding diameter (long term)

#### Applications

First choice for applications including Imaging, Endoscopy, Spectroscopy, and more.

## Transmission Curve

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



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