

ArmD™ PMMA Optical Fibers

Plastic Optical Fibers

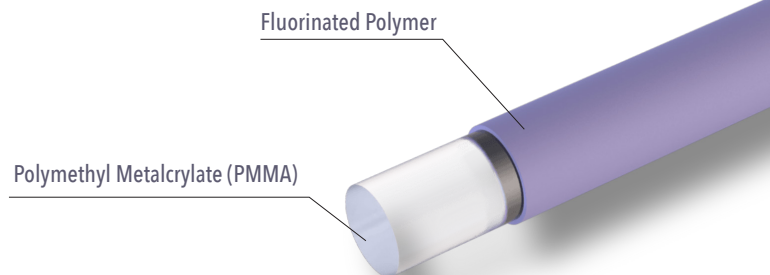
Polymethyl Methacrylate (PMMA) fibers exhibit robustness, low weight, and enhanced flexibility compared to silica optical fibers. These attributes position PMMA fibers as a highly versatile choice for diverse professional applications.

Wavelength		Numerical aperture (NA)	
ArmD PMMA	400 - 1100 nm	Low	0,46 ± 0,02
		Standard	0,50 ± 0,02
		High	0,58 ± 0,02 0,64 ± 0,02

ArmD™ PMMA

Advantages

- Excellent Bend Resistance
- Easy to Handle
- Water-Resistant
- High Light Transmission



Technical data

Attenuation @ 650nm (dB/km)	≤150 to ≤200
Numerical aperture (NA)	0,46 ± 0,02 0,50 ± 0,02 0,58 ± 0,02 0,64 ± 0,02 or customized
Acceptance Angle	55° to 79°
Operating temperature	up to 85°C
Core diameter	Available from 125 to 2000 μm
Minimum bending radius	15 X Cladding Diameter

Applications

First choice for applications including Lighting, Optical Sensors, Data Transmission, Automotive, Medical Illumination.

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