

## 0.50 NA Hard Polymer Clad Multimode Fiber



### Description

FP400ERT

Thorlabs' 0.50 NA hard polymer-clad, multimode, step-index fibers offer high numerical apertures to suit a broad range of applications, from remote illumination to photodynamic therapy. This high-quality fiber offers easy termination with no pistoning effect and is a cost-effective alternative to silica / silica fiber.

### Specifications

FP400ERT	
Transmission Region	400 - 2200 nm (Low OH Content)
Core Diameter	$400 \pm 8 \mu\text{m}$
Cladding Diameter	$425 \pm 10 \mu\text{m}$
Coating Diameter	$735 \pm 30 \mu\text{m}$
Core / Cladding Material	Pure Silica / Hard Polymer
Operating Temperature (Tefzel Coating)	-40 to 85 °C
Numerical Aperture (NA)	0.50
Attenuation	12 dB/km @ 810 nm (Max)
Proof Test Level	$\geq 100$ kpsi
Max Core Offset	$7 \mu\text{m}$
Bend Radius	43 mm (Short Term) 86 mm (Long Term)
Recommended Stripping Tool	T21S31

### Performance Plot

