

## Erbium Doped Fiber for L-band (80 μm)

### Product Information

Issue Date: 2003/5/5

#### INTRODUCTION

Prime Optical Fiber Corporation (POFC) develops its own process to produce high-quality Erbium Doped Fiber (EDF) with a reduced cladding diameter of 80 μm. It is ideally suited for L-band long haul or metro EDFA's.

#### SPECIFICATIONS

##### Product Name

**EDL002**

Absorption Coefficient @ 1530 nm

70.0 ± 5 dB/m

Absorption Coefficient @ 980 nm

43.0 ± 4 dB/m

Background loss @ 1200 nm

< 15 dB/km

Cut-off Wavelength

900 ± 50 nm

Numerical Aperture

0.23 ± 0.03

Mode Field Diameter @ 1550 nm

5.8 ± 0.6 μm

Mode Field Diameter @ 980 nm

3.4 ± 0.3 μm

Core Diameter

3.0 ± 0.3 μm

Cladding Diameter

80 ± 2μm

Coating Diameter

115 ± 10 μm

Core/ Cladding Concentricity

≤ 0.5 μm

Cladding/ Coating Concentricity

< 12 μm

Bending loss @1200nm (100 turns on a 10mm mandrel)

< 0.1dB

Co-dopants

Ge/Er/Al/La

Coating Type

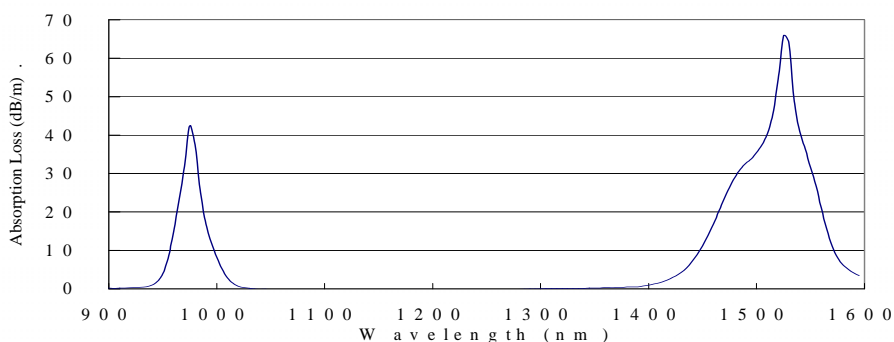
Single Acrylate

Proof Test

80 kpsi

Length

Customize



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