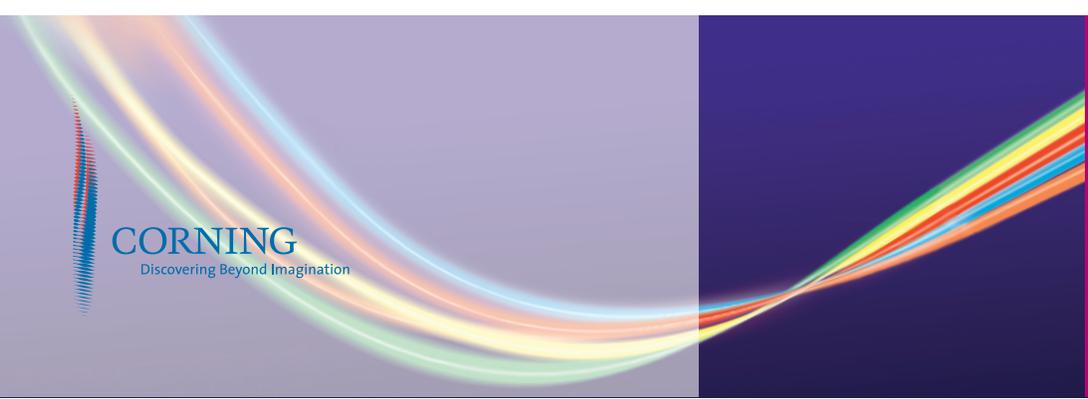


Corning® HI 780 Specialty Fiber

Optimized for Short Wavelength Sources



CORNING
Discovering Beyond Imagination

Photonic
Materials

PI1264

Issued: September 2006

Supersedes: August 2003

Manufactured with Corning's patented outside vapor deposition process, Corning HI 780 Specialty Fiber offers world-class durability and reliability. When used as component pigtails, this fiber allows for efficient fiber coupling within photonic products. It also offers reduced bend attenuation due to its high core index of refraction. Corning HI 780 Specialty Fiber is capable of operating with short wavelength laser and LED sources.

Applications

- Photonic products and fused fiber couplers
- Component fiber for EDFAs, couplers, other DWDM components
- Short wavelength laser and LED sources
- Sensors and gyroscopes

Features

- Patented outside vapor deposition process provides outstanding consistency and uniformity
- Dual acrylate coating system provides excellent protection from microbend-induced attenuation
- Excellent geometry control
- High core index of refraction
- Efficient coupling
- High numerical aperture

Key Optical Specifications

Maximum Attenuation	4.3 dB/km @ 780 nm 3.0 dB/km @ 850 nm
Cutoff Wavelength	720 nm ± 50 nm
Mode-field Diameter	4.6 μm ± 0.5 μm @ 780 nm 5.0 μm ± 0.5 μm @ 850 nm

Key Geometric Specifications

Cladding Outside Diameter	125 μm ± 0.5 μm
Coating Outside Diameter	245 μm ± 10 μm
Core-to-cladding Offset	≤0.3 μm

Performance Characterizations

Operating Temperature	-60°C to 85°C
Nominal Delta	0.45%
Numerical Aperture (Typical)	0.14
Standard Lengths	0.5, 1, 2, 5 km
Proof Test	100 kpsi

For More Information

For more information about Corning's leadership in specialty fiber technology, visit our website at www.corning.com/photonicmaterials.

To obtain additional technical information or an engineering sample, or to place an order for this product, please contact us:

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