GRADED INDEX MULTIMODE HIGH TEMPERATURE ACRYLATE COATED FIBER

These germanium doped, 62.5µm and 50µm core, graded index fibers provide excellent performance in high bandwidth sensing applications.

The high temperature acrylate coating ensures reliable mechanical performance in high temperatures up to 150°C

FEATURES

Advantages

- High temperature operation
- Easy stripping
- Graded index profile
- High bandwidth

Typical Applications:

- Distributed Temperature Sensing (DTS)
- Pipeline monitoring
- Fire detection systems
- Production/injection monitoring

Product Variants

- GIMM(50/125)HT
  Graded index multimode fiber with 50µm core, 125µm cladding with high temperature acrylate coating

- GIMM(62.5/125)HT
  Graded index multimode fiber with 62.5µm core, 125µm cladding with high temperature acrylate coating

To find out more visit **fibercore.com**

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SPECIFICATIONS

	GIMM(50/125)HT *	GIMM(62.5/125)HT
Operating Wavelength (nm)	800 - 1750	
Numerical Aperture	0.18 - 0.22	0.25 - 0.30
Attenuation (dB/km)	≤3.2 @850nm ≤1.0 @1300nm	
Proof Test (%)	1 or 2 (100 or 200 kpsi)	
Bandwidth (MHz.km)	400/400 @850/1300nm	160/160 @850/1300nm
Cladding Diameter (µm)	125 ± 1	
Core Cladding Concentricity (µm)	≤2.0	
Coating Diameter (µm)	245 ± 15	
Core Diameter (µm)	50	62.5
Coating Type	High Temperature Acrylate	
Operating Temperature (°C)	-50 to +150	

* Special easier to strip polyimide coating available for window stripping, for applications such as FBGs.

COATING ORDER GUIDE

- Dual Layer Acrylate = No order code
- Polyimide = P
- Carbon High Temperature = CHT
- Carbon Polyimide = CP

Order Code Example

SM1250SC(9/125) with a Carbon High Temperature coating: SM1250SC(9/125)CHT

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RELATED PRODUCTS

- Graded Index Multimode Carbon Polyimide Coated Fiber

- Graded Index Multimode Carbon High Temperature Acrylate Coated Fiber

- Graded Index Multimode Polyimide Coated Fiber

- Graded Index Multimode Pure Silica Core Fiber

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