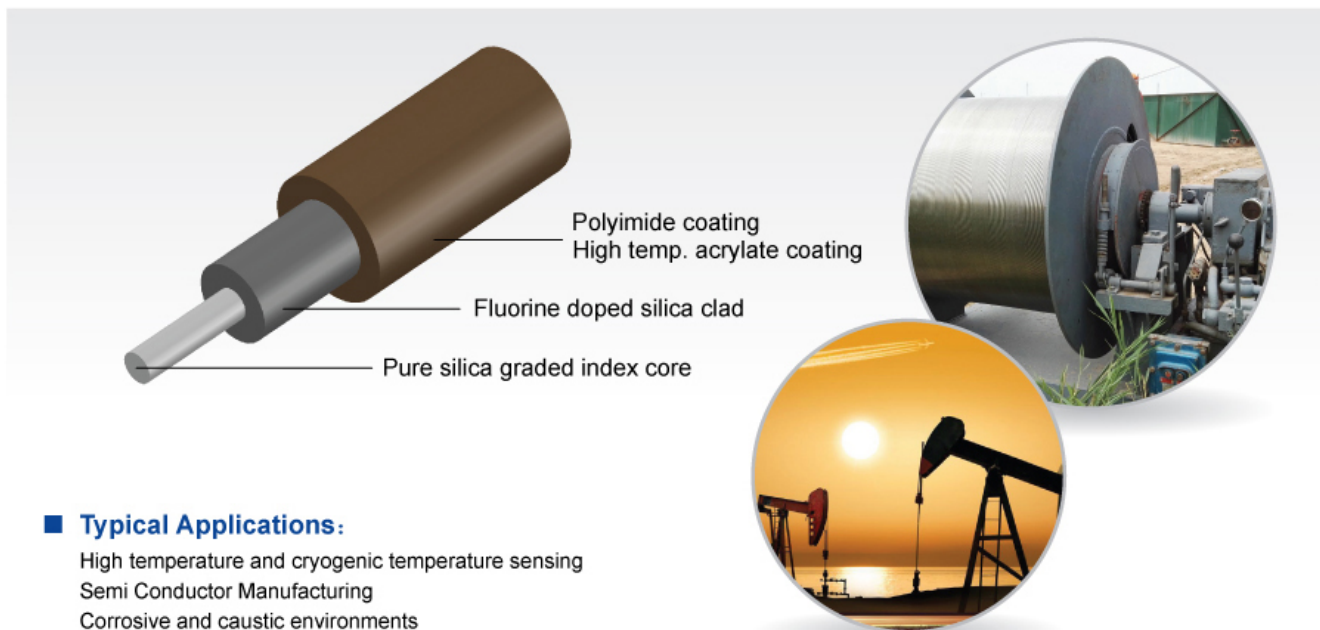


High Temperature Fiber

Pure Silica Graded Index Core High Temperature Fiber



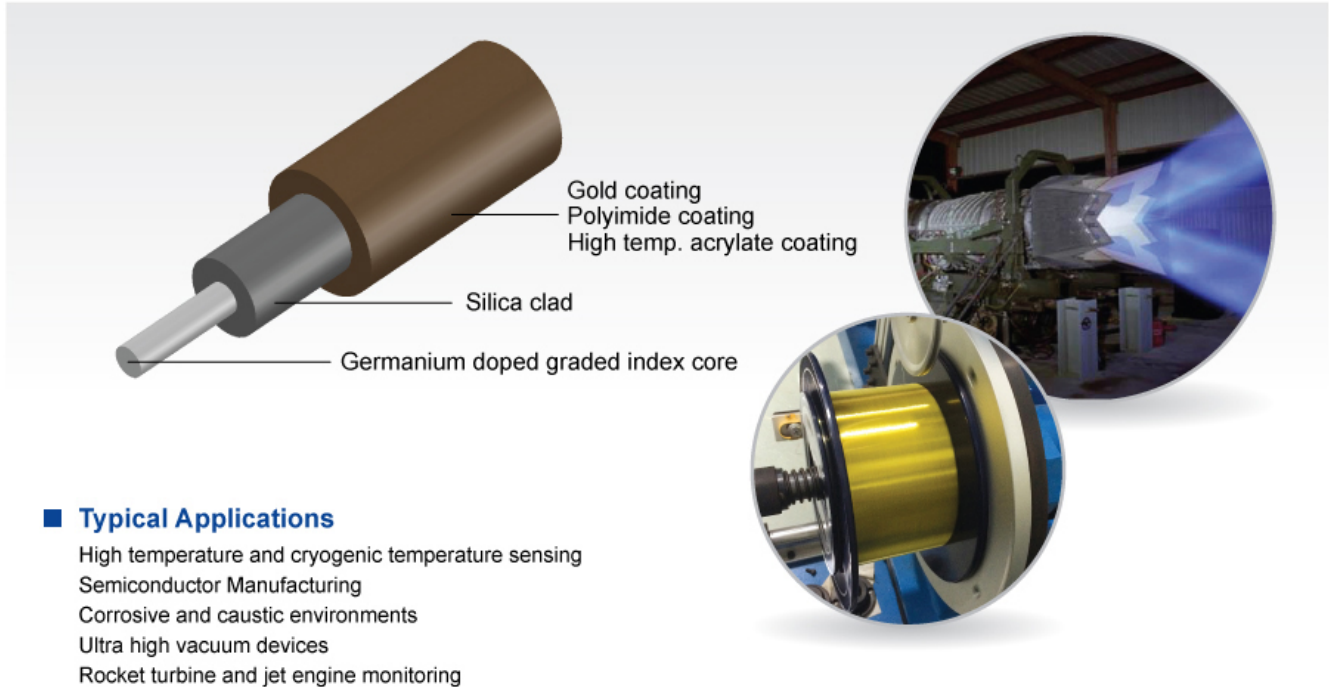
■ **Typical Applications:**

- High temperature and cryogenic temperature sensing
- Semi Conductor Manufacturing
- Corrosive and caustic environments
- Ultra high vacuum devices
- Radiation resistant sensors

Polyimide Coating		Working Temperature: -60 ~ +350° C	
Fiber Type PTIG	Core Diameter (µm)	Clad Diameter (µm)	Coating Diameter (µm)
50/125/155P20	50	125	155
High Temperature Acrylate Coating		Working Temperature: -40 ~ +150° C	
Fiber Type PTIG	Core Diameter (µm)	Clad Diameter (µm)	Coating Diameter (µm)
50/125/250SA20	50	125	250

High Temperature Fiber

Graded Index Core High Temperature Fiber



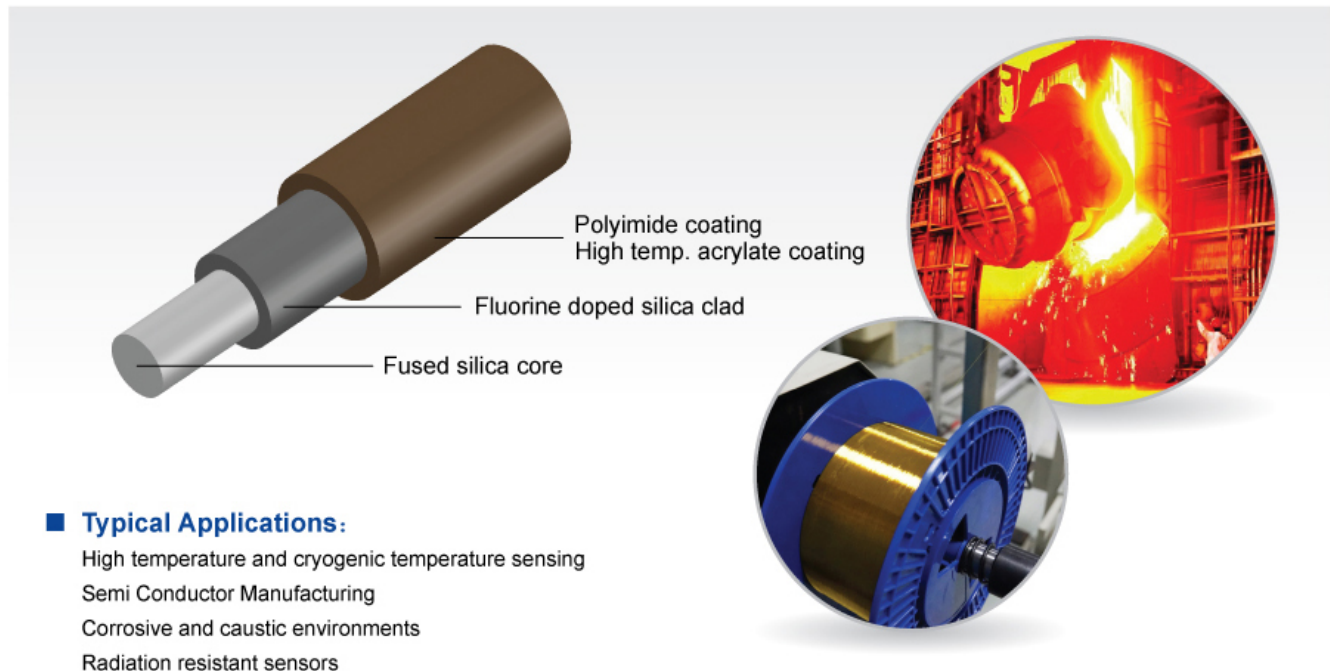
■ Typical Applications

- High temperature and cryogenic temperature sensing
- Semiconductor Manufacturing
- Corrosive and caustic environments
- Ultra high vacuum devices
- Rocket turbine and jet engine monitoring

Polyimide Coating		Working Temperature: -60 ~ +350° C	
Fiber Type PTUG	Core Diameter (μm)	Clad Diameter (μm)	Coating Diameter (μm)
50/125/155P20	50	125	155
62.5/125/155P27	62.5	125	155
High Temperature Acrylate Coating		Working Temperature: -40 ~ +150° C	
Fiber Type PTUG	Core Diameter (μm)	Clad Diameter (μm)	Coating Diameter (μm)
50/125/250SA20	50	125	250
62.5/125/250SA27	62.5	125	250
Gold Coating		Working Temperature: -270 ~ +700° C	
Fiber Type PTUG	Core Diameter (μm)	Clad Diameter (μm)	Coating Diameter (μm)
50/125/155G20	50	125	155
62.5/125/155G27	62.5	125	155

High Temperature Fiber

Silica Core (Step Index) High Temperature Fiber



■ Typical Applications:

- High temperature and cryogenic temperature sensing
- Semi Conductor Manufacturing
- Corrosive and caustic environments
- Radiation resistant sensors

Polyimide Coating		Working Temperature: -60 ~ +350° C	
Fiber Type PTIU/PTUU	Core Diameter (μm)	Clad Diameter (μm)	Coating Diameter (μm)
50/125/145P22	50	125	145
100/110/130P22	100	110	130
105/125/155P22	105	125	155
200/220/250P22	200	220	250
300/330/360P22	300	330	360
400/440/470P22	400	440	470
600/660/690P22	600	660	690
High Temperature Acrylate Coating		Working Temperature: -40 ~ +150° C	
Fiber Type PTIU/PTUU	Core Diameter (μm)	Clad Diameter (μm)	Coating Diameter (μm)
50/125/250SA22	50	125	250
60/125/250SA22	60	125	250
100/140/250SA22	100	140	250
105/125/250SA22	105	125	250
200/220/320SA22	200	220	320
400/440/625SA22	400	440	625
600/660/960SA22	600	660	960

High Temperature Fiber

Single-Mode High Temperature Fiber



■ Typical Applications

- High temperature and cryogenic temperature sensor
- Semiconductor manufacturing
- Corrosive environment
- Oil and gas well downhole sensor
- Ultra high vacuum equipment
- Radiation sensor

Fiber Type	PTSB1310SA245	PTSB1310P155	PTMB1310P100
Optical Parameters			
mode field diameter @1310nm (μm)	9.2 ± 0.4	9.2 ± 0.4	8.8 ± 0.4
mode field diameter @1550nm (μm)	10.4 ± 0.8	10.4 ± 0.8	9.8 ± 0.5
Cutoff (nm)	1180~1330	1180~1330	1180~1330
Attenuation @1310nm (dB/km)	≤ 0.4	≤ 1	≤ 1
Attenuation @1550nm (dB/km)	≤ 0.25	≤ 0.8	≤ 0.8
Geometrics Parameters			
Clad Diameter (μm)	125.0 ± 1.0	125.0 ± 2.0	80.0 ± 3.0
Coating Diameter (μm)	245.0 ± 10.0	155.0 ± 5.0	100.0 ± 5.0
Clad Non-circularity (%)	≤ 1	≤ 1	≤ 1
Core/Clad Offset (μm)	≤ 0.8	≤ 0.8	≤ 0.8
Coating/Clad Offset (μm)	≤ 12		
Material and Mechanical Parameters			
Coating Material	High Temp. Acrylate	Polyimide	Polyimide
Proof Test Level (kpsi)	100	100	100
Working Temperature (°C)	-40 ~ +150; Short time+200	-60 ~ +350	-65 ~ +350