

Standard Fiber Specifications for FEMTO Gratings and FEMTO*Plus* Gratings

The fs-writing technology can inscribe FBGs and waveguides into any kind of optically transparent material and through a broad variety of fiber coatings.

Parameter	Single Mode Acrylate	Single Mode Polyimide	Pure Core Polyimide	Single Mode Acrylate Radiation Hard
Attenuation @ 1550nm	<0,22dB/km	<0,4dB/km	<0,8dB/km	<0,3dB/km
Cutoff wavelength	<1260nm	<1300nm	<1290nm	<1260nm
Mode field diameter @1550nm	10,4µm	9,8µm	9µm	9,1µm
Numerical aperture	0,14	0,12	0,13	0,2
Cladding diameter	125µm	125µm	125µm	125µm
Coating type	Acrylate	Polyimide	Polyimide	Acrylate
Coating diameter	245µm	155µm	155µm	245µm
Maximum temperature	85°C (high temperature acrylate up to 180°C)	300°C	300°C	85°C

