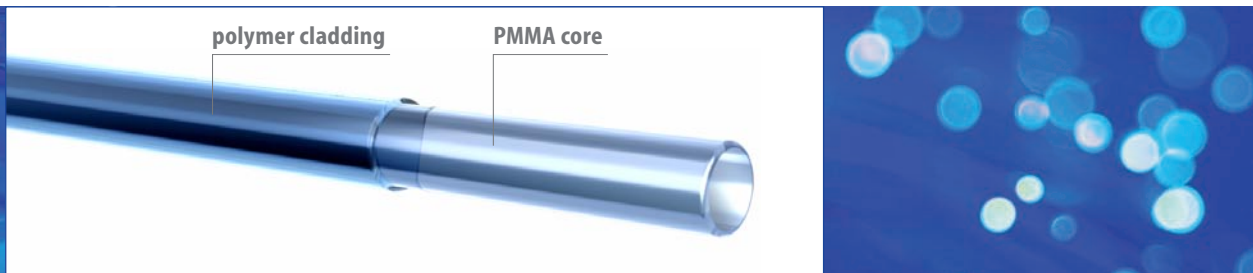


High temperature-POF



Polymer Optical Fiber (POF)

Description	P980/1000 high temperature-POF	P485/500 high temperature-POF
Geometric/thermal properties		
Core diameter (μm)	980 ± 60	485 ± 30
Cladding diameter (μm)	1000 ± 60	500 ± 30
Working temperature (°C)	-55 to 105	-55 to 105
Transmission properties		
Wavelength (nm)	650	650
Attenuation max. (dB/km)	200	200
Numerical aperture	0.58	0.58

These fibers are developed for temperatures up to 105 °C. Short term temperatures application of up to 115 °C produces only a small rising of the attenuation.

The applications of this fiber are both in the automotive and industrial environment.

Typical attenuation spectra for high temperature-POF 1 mm Ø

