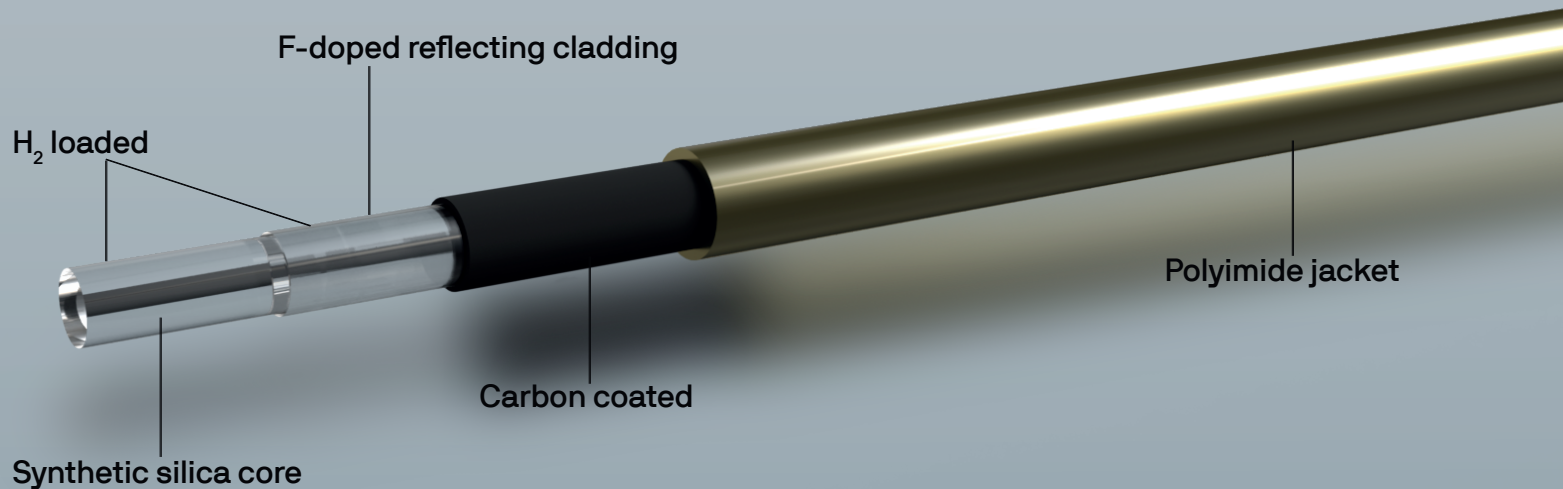


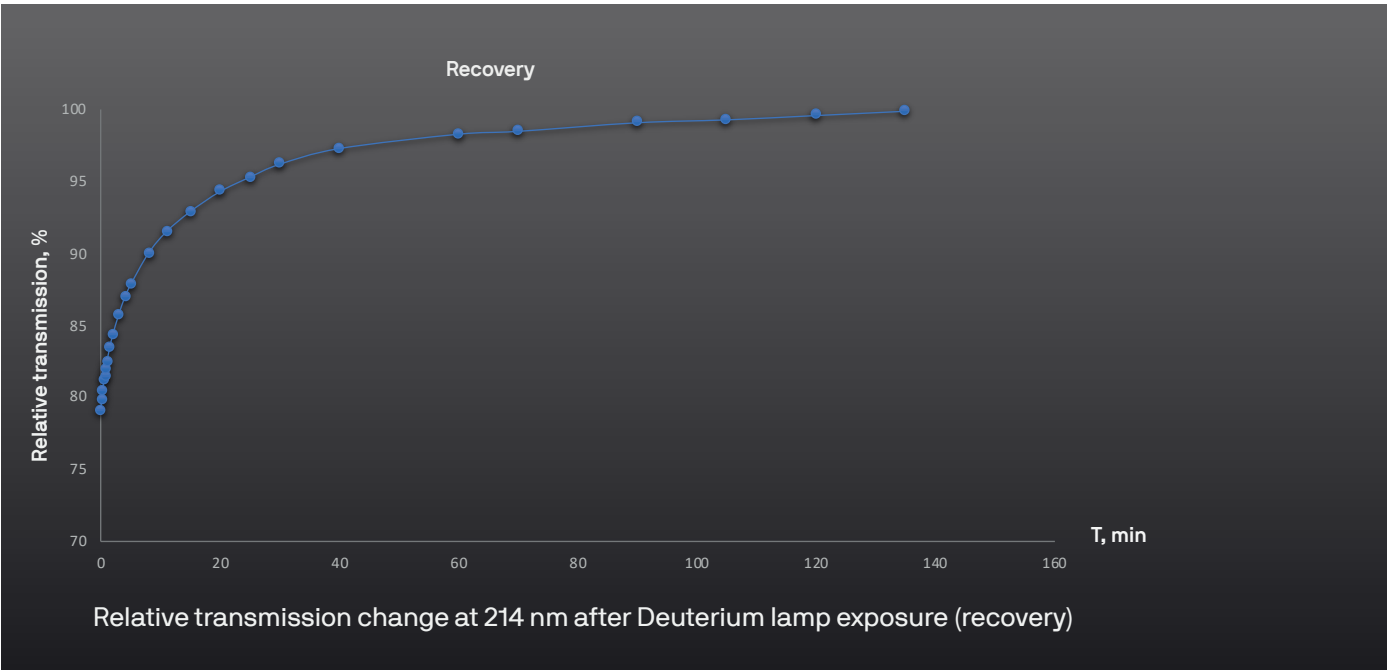
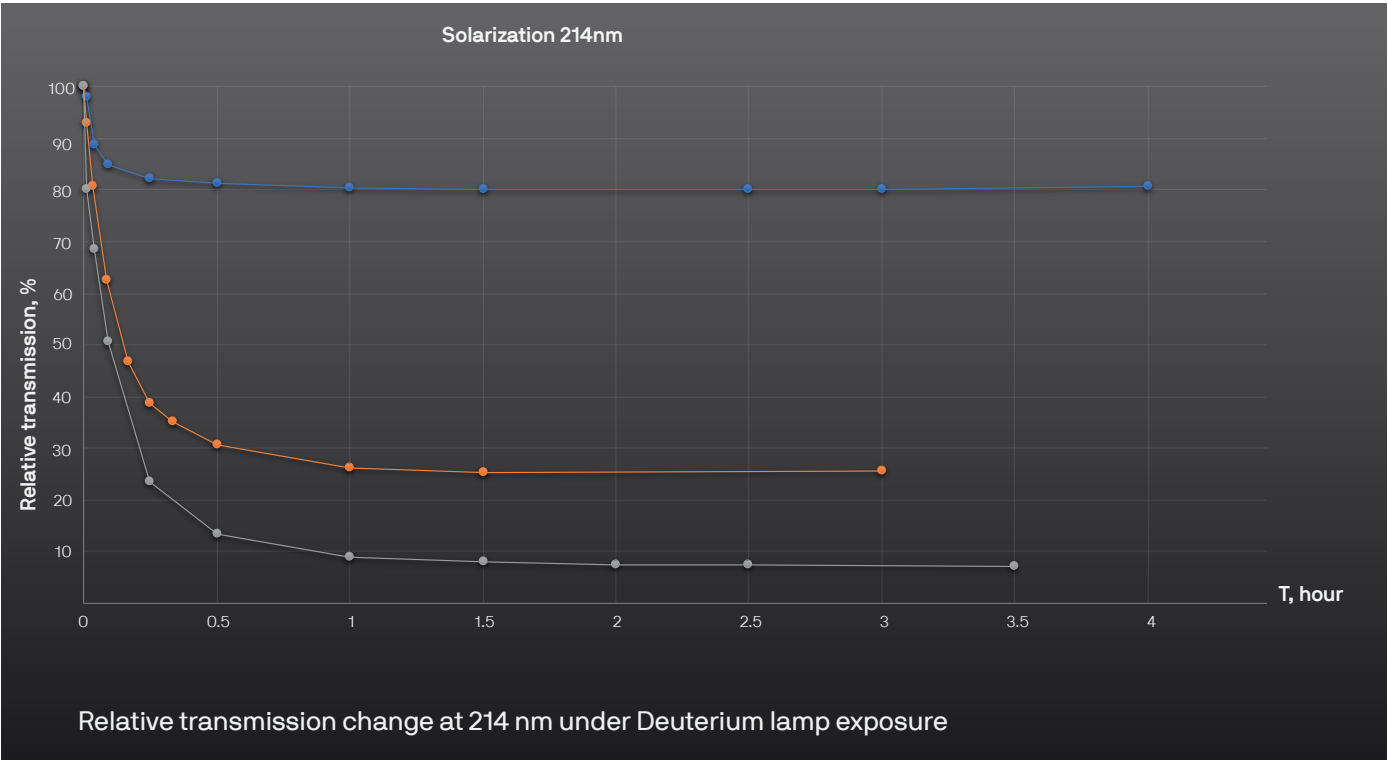
CARBON COATED H₂ LOADED FIBER

This fiber has been specially developed for DUV applications where photodarkening (also known as solarization) becomes main reason of transmission decrement during utility time caused by UV exposure. New fiber shows excellent stability of transmission after short time of exposure. Transmission recovery occurs when UV exposure is removed.



Benefits

- Improved transmission at DUV
- Recovery of fiber after UV exposure has been removed
- Fiber is hermetically encapsulated by Carbon coating
- Carbon coating works as screen



Technical details

Improved transmission at:	190-250nm
Operating wavelengths:	190-1100nm
Structure of fiber:	Synthetic silica core/F-doped reflecting cladding/ Carbon coating/Polyimide jacket
Hydroxyl content in core:	600-800ppm
NA:	0.22 ± 0.02 as standard
Fiber glass diameters:	100-660 μm as standard, larger upon request
Operating temperature:	-190° C to +150°C
Proof test:	minimum 70 kpsi, others upon request