

'PFOA & PFOS Free' is guaranteed even under high temperature and oxidation environments.

**XP Series : PFOA & PFOS free Low Refractive Index Coatings for Specialty Optical  
Fibers  
(PFOA/PFOS Free Version)**

### Product Application

- 'PFOA & PFOS Free' is guaranteed even under high temperature and oxidation environments
- Medium power fiber laser applications
- Polymer clad optical fiber, capillary optical fiber and medical specialty optical fiber applications

### Technology Description

- New Fluorine & Siloxane chemistry is used to eliminate possibility of PFOA & PFOS
- Urethane chemistry is used to increase viscosity suitable for fiber drawing processes
- Methacrylate and acrylate functionality are incorporated for UV curing

### Product Certifications

- PFOA & PFOS Free
- ROHS compliance
- USP Class 6 certification

PRODUCTS	XP370	XP373	XP375	XP409	XP404
Viscosity (@ 25 °C, cPs)	6,200	5,500	5,300	1,900	4,500
R.I (Liquid @ 582 nm)	1.361	1.365	1.378	1.387	1.395
R.I (Cured @ 852 nm)	1.370	1.373	1.385	1.398	1.404
Tensile Strength (kgf/mm <sup>2</sup> )	0.81	0.87	1.00	1.24	1.30
Young's Modulus (kgf/mm <sup>2</sup> )	4.4	8.2	11.0	21	35
Elongation (%)	65	60	57	72	40
Tg (°C)	70	73	75	75	84
Transmittance (600 ~ 1,000 nm)	> 92%				