

Fluororesin coating material CYTOP™ with low refractive index

CYTOP

Transparency

Repellency

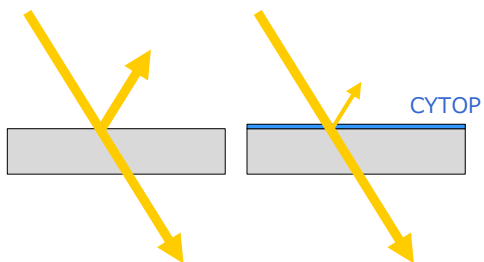
Water proof

Chemical resistance

Electric insulation

Low refractive index

Application examples



Reflection-prevention film

Coating a material with CYTOP™ can easily provide it with a low refractive index layer. It is widely used as a reflection-prevention film for items such as display cases.



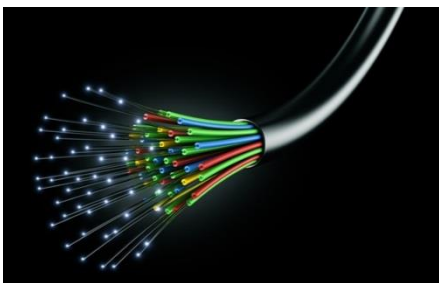
Detector of solution -measurement equipment

Because the refractive index of CYTOP™ is close to the index of water, it is used in detectors of equipment that measure the total reflection of solutions.

Optical properties of CYTOP™

	CYTOP	PTFE	PMMA	Quartz	Remark
Refractive index	1.34	1.35	1.49	1.46	$\lambda=589\text{ nm}$
Abbe's number	90	—	55	68	
Transmittance (%)	96	Translucent	93	93	$\lambda=589\text{ nm}$, Thickness=1mmt

It is a transparent fluororesin with a low refractive index. Its refractive index is close to the index of water (1.33).



Telecommunication fibers

Because of its low refractive index, CYTOP™ has become one on the candidates for cladding fibers.

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