

Fluororesin coating material CYTOP™ with electrical insulation property



Transparency

Repellency

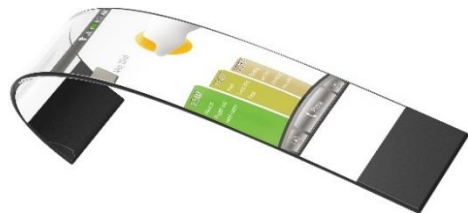
Water proof

Chemical
resistance

Electric
insulation

Low
refractive index

Application examples



Gate insulation layer for OTFT

CYTOP™ is widely used for the gate insulation layer of an organic semiconductor, and is promising technology for flexible devices. It has wide applications in this field thanks to its excellent insulation performance.

Control of surface-wetting property

In electrowetting technology, which can be applied to control surface-wetting property, CYTOP™ exhibits excellent properties as an insulating layer.



Insulation layer for electronic devices

With its excellent insulation performance, CYTOP™ is used as an insulation layer in various electronic devices.

Electric properties of CYTOP™

	CYTOP	PTFE	PFA	PMMA	Remark
Dielectric constant	2.0~2.1	>2.1	2.1	4	RT, 100 Hz ~ 1M Hz
Dielectric loss tangent	< 0.0008	>0.0007	0.0002	0.04	RT, 100 Hz ~ 1M Hz
Volume resistivity (Ω·cm)	>10 ¹⁷	>10 ¹⁸	>10 ¹⁸	>10 ¹⁸	RT, in air
Breakdown voltage (kV/0.1mm)	9	13	12	2	RT, in air
Arc resistance (S)	>200	>280	>180	No track	

RT ; Room Temperature

AGC Chemicals

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