

Heat Resistant Optical Film (F Film)

COC Film has High Optical Characteristics, Heat Resistance and Dimensional Stability.
COC (Cyclic-Olefin-Copolymer)

Features

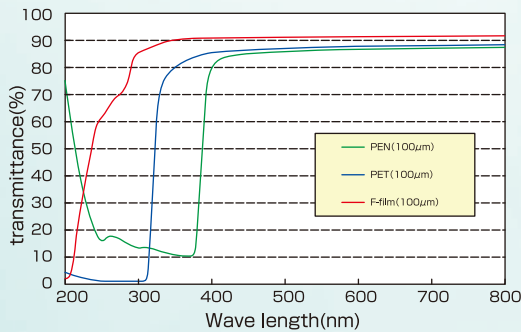
Heat Resistance

- Film dimension is stable in the process of device fabrication.

	F film	PC	COP	PET
Tg	180°C	~155°C	~170°C	~85°C

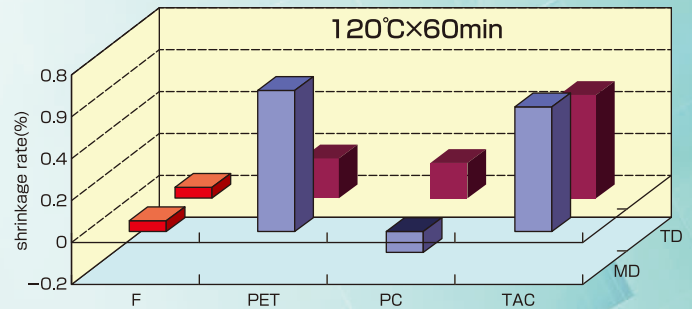
Optical Characteristic (High Transmittance, Low Retardation.)

- Transmittance 92%, Haze <0.2%, Retardation <5nm



Dimensional Stability

- Heat shrinking rate: <0.10% (at 120°C×60min)
- Water absorption rate : 0.01%



Large Size and Thinner Film are Available

- Thickness 80 - 250μm (standard type : 80μm, 100μm, 200μm, Developing type : 50μm)
- Max width 1350mm in MP stage. (providing in roll, Max 2000m length.)

Additional Function and Applications

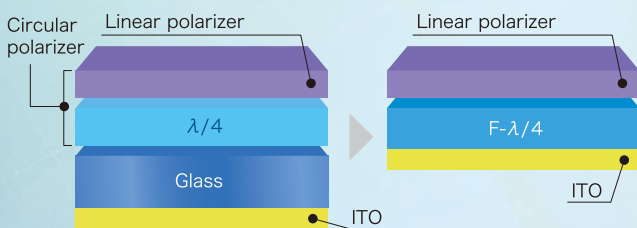
Additional Function

- Control retardation by film extension ($\lambda/4$): Extension film is available.
- Various kinds of wet & dry coating (Hard coat, index matching etc.): HC film and ITO film are available

Application

- ITO film for touch panel
- Substrate for optical filter
- Substrate for flexible display

Application Anti-reflection by circular polarizer



Applying ITO F film enables lighter and thinner device.

