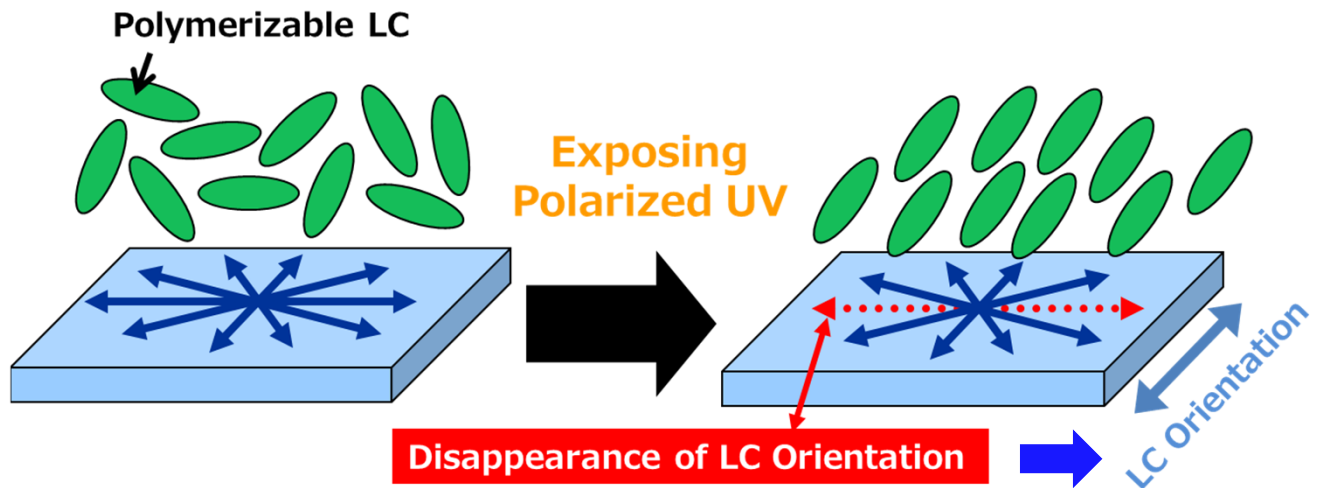
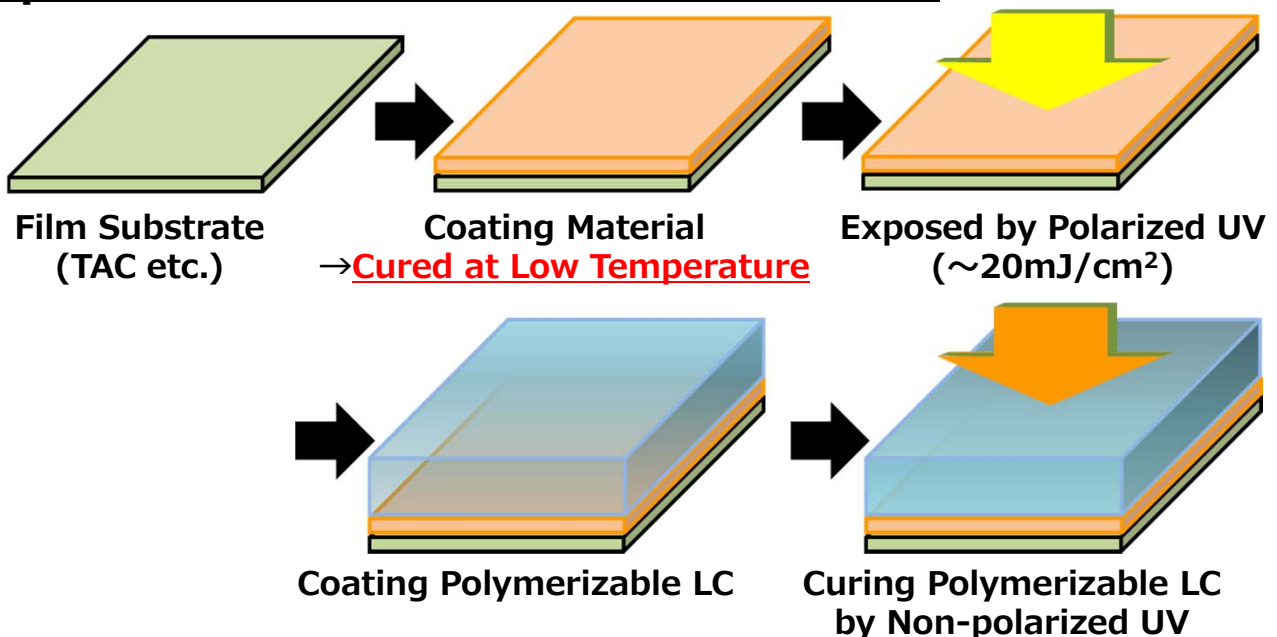


Low Temperature Curable LC Alignment Material for Film Substrate

Principle of LC Orientation by using JSR's Alignment Film with Polarized UV Exposure Process



Deposition Process of Retardation Film



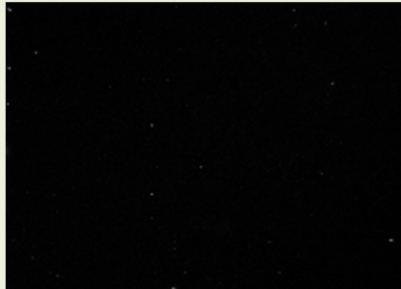
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Low Temperature Curable LC Alignment Material for Film Substrate

Recommended Process Conditions Table

Process		Recommended Process Condition
Coating Alignment Layer	Coater	Coater for Roll to Roll Process
	Thickness	100nm
Exposing Polarized UV	Light Source	Hg-Xe Lamp
	Exposure Dose	~20mJ/cm ²
Experiment Environment		Under Yellow light

Property of Retardation Film by using JSR's Material

Substrate	TAC Film
Process Condition	The same as Recommended Process Conditions noted above. (Exposure Dose of Polarized UV: 20mJ/cm ²)
Orientation of Polymerizable LC by Polarization Microscope with Crossed Nicols	

Polymerizable LC on JSR's Alignment Layer shows good Polarization Property.



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