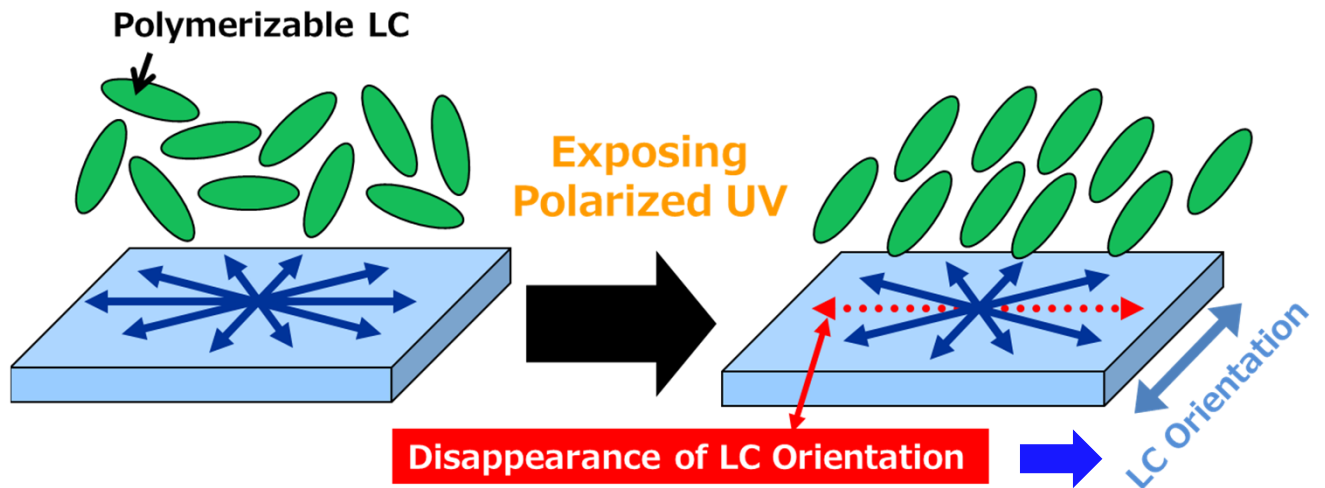
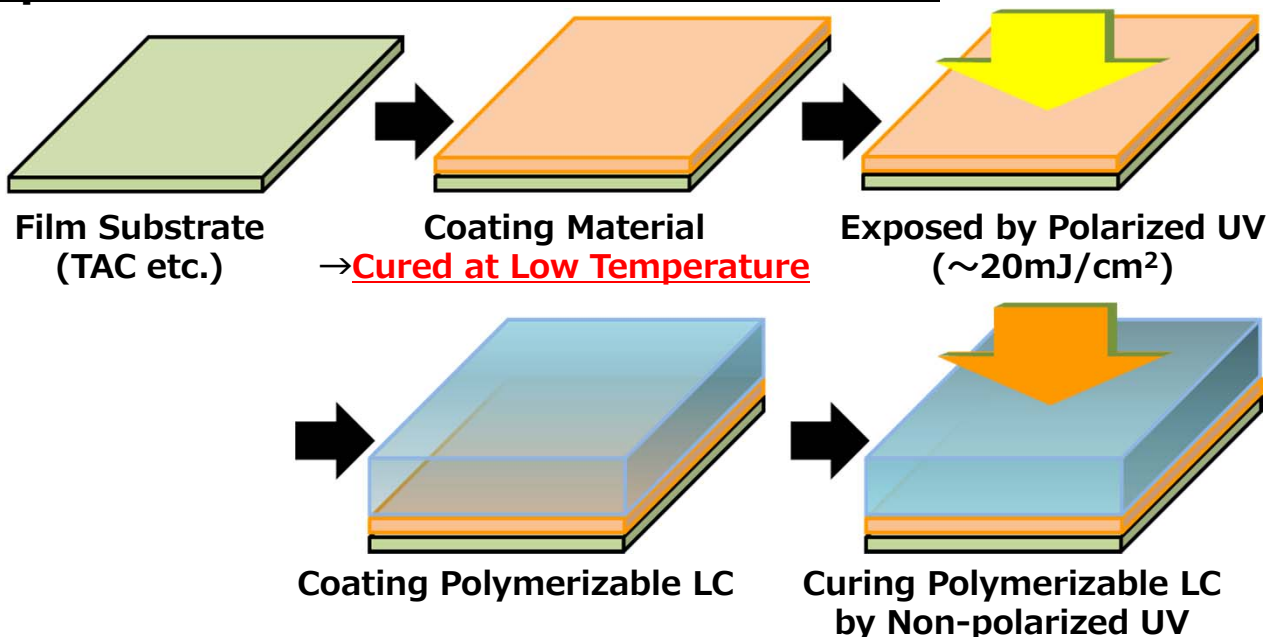


# Low Temperature Curable LC Alignment Material for Film Substrate

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



## Deposition Process of Retardation Film



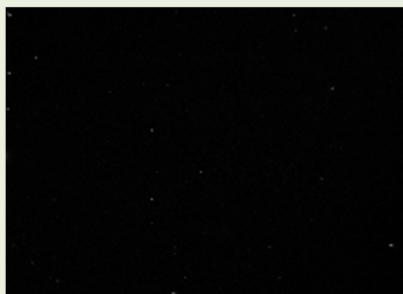
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# Low Temperature Curable LC Alignment Material for Film Substrate

## 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 <sup>2</sup>
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 <sup>2</sup> )
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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