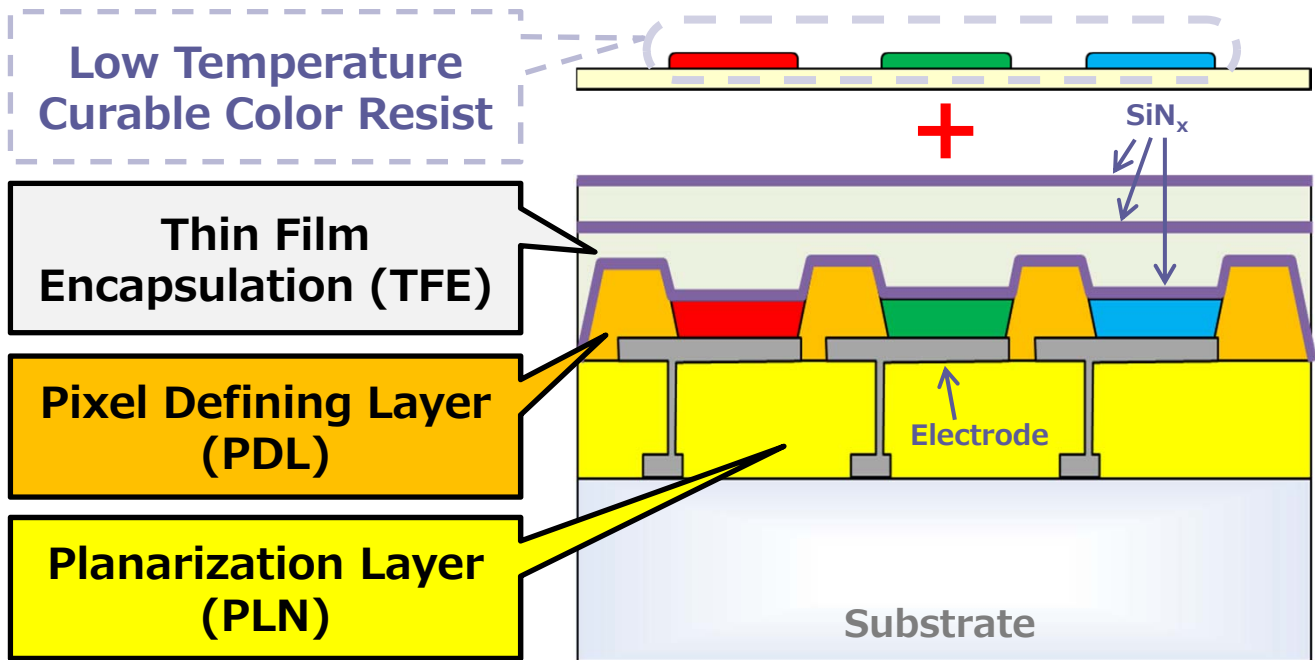


JSR's OLED Materials

Cross-Section Diagram of Top-Emission AMOLED Panel



Material	Status	Performance	
		Market requirements	JSR's Features
Thin Film Encapsururation (TFE)	Under Development	<ul style="list-style-type: none"> Low WVTR Ink Jet coatability 	<ul style="list-style-type: none"> Based on the technology of "Vitex Systems Inc."
Pixel defining Layer (PDL)	MP	<ul style="list-style-type: none"> High Reliability Wide Range of Taper Angle 	<ul style="list-style-type: none"> Low moisture release and outgassing Available to control taper angle by middle baking process Good planality for PLN Controlability of various characteristics (Refractive Index/Dielectronic constant)
Planarization Layer (PLN)	MP		
Low Temperature Curable Color Resist	Under Development for next generation	<ul style="list-style-type: none"> Deposition without thermal damage to underlayer 	<ul style="list-style-type: none"> Low temperature curable.
Low Temperature Curable Over Coat	Under Development for next generation	<ul style="list-style-type: none"> Deposition without thermal damage for underlayer High Resolution 	<ul style="list-style-type: none"> Low temperature curable. Fine size hole patterning



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Display Solution Dev.

Next Generation Display Materials Dept.

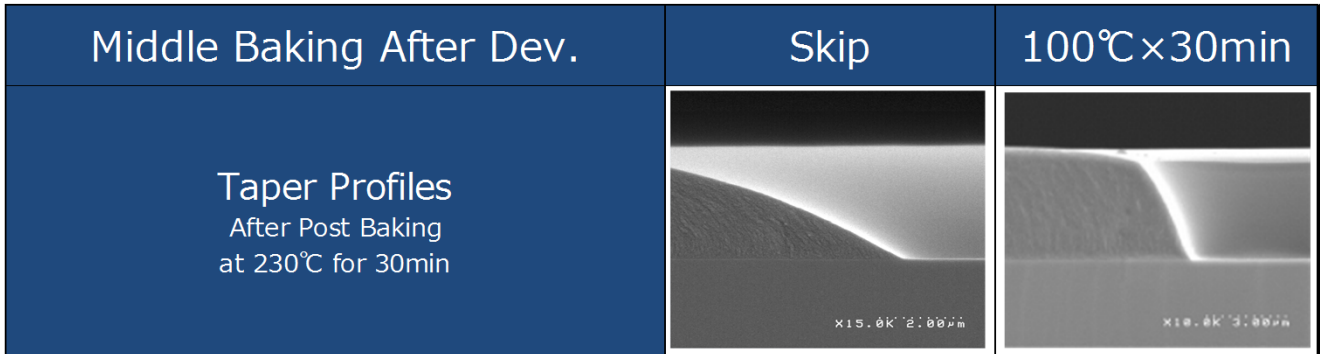
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OPTMER™ JEM Series

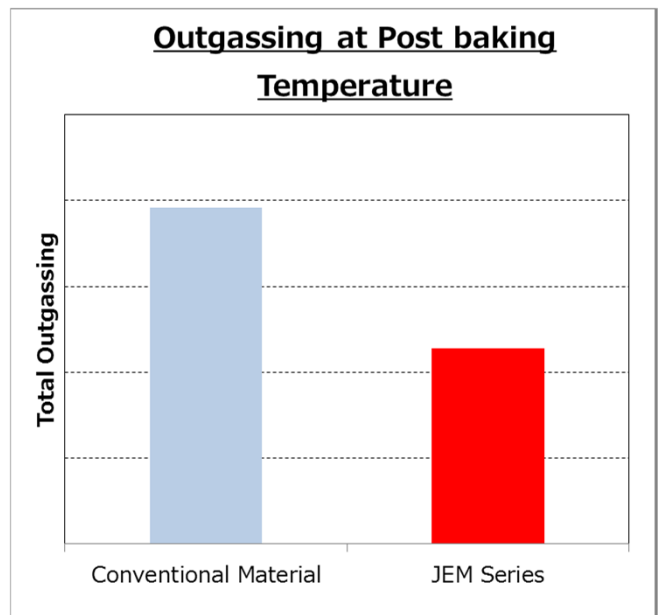
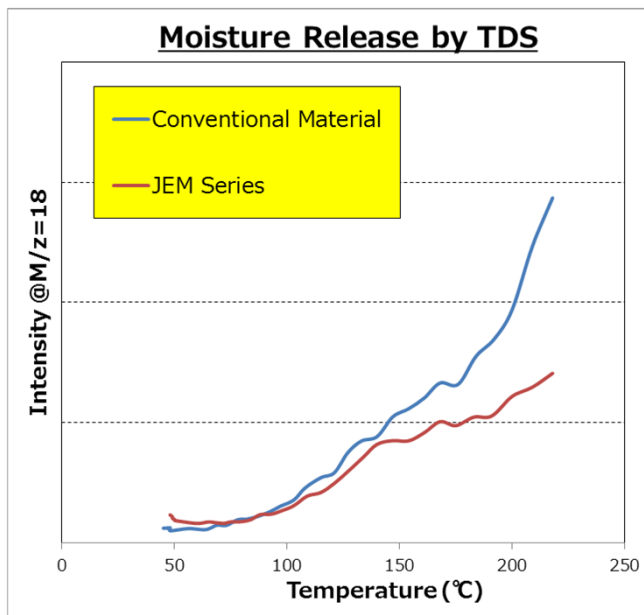
PDL/PLN Materials for OLED

Taper Control



Taper angle of "JEM Series" can be controlled by adjustment of middle baking condition.

Reliability



"JEM Series" shows lower moisture release and outgassing.



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