

# 4Q21\_Quarterly AMOLED Materials and Components Market tracker

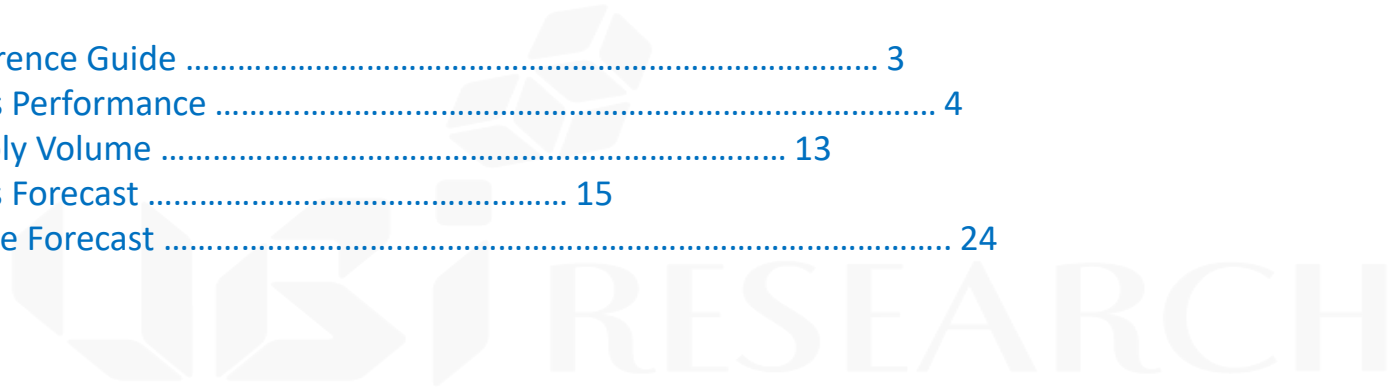
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# Reference Guide

## Application Covered

- Smartphone
- TV

## Nation Covered

- Korea
- China

## Purpose Covered

- Cover window: 2D, 3D, CPI, UTG
- Touch: Add-on, On-cell
- Polarizer
- OCA, OCR
- Encapsulation: Glass, Frit glass, TFE, Metal foil
- Substrate: Glass, Carrier glass, Polyimide
- PSPI
- Process Film
- Complex sheet
- Driver IC

## Actual and Forecast

- Quarterly update
- History : 3-year, Forecast : 5-year

## Unit

- Revenue : US\$ millions
- Volume : kg, ea, m<sup>2</sup>

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## AMOLED Components & Material Market Track

- 4Q21 Data Tables

> **Average Sales Price of Materials\_Q**

> **Sales Performance**

[PIVOT Quarterly Sales](#)

[PIVOT Quarterly Supply Volume](#)

> **Forecast**

[PIVOT Sales Forecast](#)

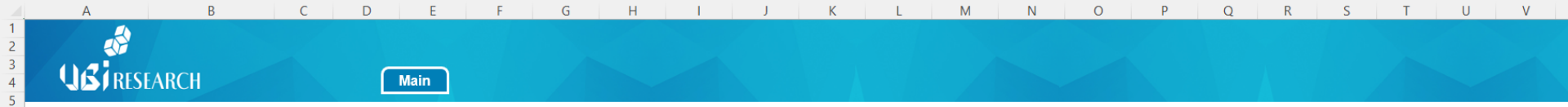
[PIVOT\\_Usage Forecast](#)

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**Average Sales Price of Components & Materials**

- Contents
- > Average Sales Price of Components & Materials
- \* Market of Key 20 components for OLED
- \* No process cost on colorless polyimide's cost based on 8 inch
- \* Cost of ultra thin glass includes process cost based on 7.6 inch

**> Average Sales Price of Components & Materials**

Components & Material		Unit	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21
Substrate	Substrate glass	\$/m <sup>2</sup>															
	Carrier glass	\$/m <sup>2</sup>															
TFT	Polyimide	\$/kg															
	PSPI	\$/kg															
Encapsulation	Frit glass	\$/kg															
	Encapsulation glass	\$/m <sup>2</sup>															
	Thin film encapsulation	\$/kg															
	Metal Foil & FSA	\$/m <sup>2</sup>															
Touch sensor	On-cell touch	\$/m <sup>2</sup>															
	Add-on Touch	\$/ea															
	Over coat(on-cell touch)	\$/kg															
Polarizer	Polarizer	\$/ea															
Adhesive	OCR	\$/kg															
	OCA	\$/ea															
Cover window	2D & 3D glass	\$/ea															
	Colorless Polyimide	\$/ea															
Module	Ultra thin glass	\$/ea															
	Driver IC & COF	\$/ea															
	Complex sheet	\$/m <sup>2</sup>															
	Process Film	\$/m <sup>2</sup>															



Components & Material Market Sales Performance\_Quarterly

- Nation (All) [dropdown]
- Company (All) [dropdown]
- Application (All) [dropdown]
- Substrate type (All) [dropdown]

US\$ million

M&C	Sum of Ex_1Q18	Sum of Ex_2Q18	Sum of Ex_3Q18	Sum of Ex_4Q18	Sum of Ex_1Q19	Sum of Ex_2Q19	Sum of Ex_3Q19	Sum of Ex_4Q19	Sum of Ex_1Q20	Sum of Ex_2Q20	Sum of Ex_3Q20	Sum of Ex_4Q20	Sum of Ex_1Q21	Sum of Ex_2Q21	Sum of Ex_3Q21	
2D glass																
3D glass																
Add-on Touch																
Carrier glass																
Colorless polyimide																
Complex sheet																
Driver IC&COF																
Encapsulation glass																
Frit glass																
Metal Foil & FSA																
OCA																
OCR																
On-cell touch																
Over coat(on-cell touch)																
Polarizer																
Polyimide																
Process Film																
PSPI																
Substrate glass																
Thin film encapsulation																
Ultra thin glass																
<b>Grand Total</b>																



## Components & Material Supply Volume\_Quarterly

- Nation (All) ▾
- Company (All) ▾
- Application (All) ▾
- Substrate type (All) ▾

M&C	Unit	Value															
		1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21	2Q21	3Q21	
2D glass	million ea																
3D glass	million ea																
Add-on Touch	million ea																
Carrier glass	1,000,000 m2																
Colorless polyimide	million ea																
Complex sheet	1,000,000 m2																
Driver IC&COF	million ea																
Encapsulation glass	1,000,000 m2																
Frit glass	ton																
Metal Foil & FSA	1,000,000 m2																
OCA	million ea																
OCR	ton																
On-cell touch	1,000,000 m2																
Over coat(on-cell touch)	ton																
Polarizer	million ea																
Polyimide	ton																
Process Film	1,000,000 m2																
PSPI	ton																
Substrate glass	1,000,000 m2																
Thin film encapsulation	ton																
Ultra thin glass	million ea																

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A B C D E F G H I J K L M N O P Q



Components & Materials Market Sales Forecast

- Nation (All)
- Company (All)
- Application (All)
- Substrate type (All)

(US\$ million)

M&C	Sum of Ex_2021	Sum of Ex_2022	Sum of Ex_2023	Sum of Ex_2024	Sum of Ex_2025
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- 2D glass
- 3D glass
- Add-on Touch
- Carrier glass
- Colorless polyimide
- Complex sheet
- Driver IC&COF
- Encapsulation glass
- Frit glass
- Metal Foil & FSA
- OCA
- OCR
- On-cell touch
- Over coat(on-cell touch)
- Polarizer
- Polyimide
- Process Film
- PSPI
- Substrate glass
- Thin film encapsulation
- Ultra thin glass
- Grand Total**



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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
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## Components & Materials Market Usage Forecast

- Nation (All) ▾
- Company (All) ▾
- Application (All) ▾
- Substrate type (All) ▾

		Value				
M&C	Unit	2021	2022	2023	2024	2025
2D glass	million ea					
3D glass	million ea					
Add-on Touch	million ea					
Carrier glass	1,000,000 m2					
Colorless polyimide	million ea					
Complex sheet	1,000,000 m2					
Driver IC&COF	million ea					
Encapsulation glass	1,000,000 m2					
Frit glass	ton					
Metal Foil & FSA	1,000,000 m2					
OCA	million ea					
OCR	ton					
On-cell touch	1,000,000 m2					
Over coat(on-cell touch)	ton					
Polarizer	million ea					
Polyimide	ton					
Process Film	1,000,000 m2					
PSPI	ton					
Substrate glass	1,000,000 m2					
Thin film encapsulation	ton					
Ultra thin glass	million ea					



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