

# EXCELOL 671-IP

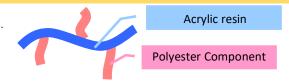
Polyester modified acrylic polyo

EXCELOL 671-IP is a polyester modified acrylic polyol resin developed for screen inks.

It is a functional resin that combines the weather resistance and drying properties of acrylic with the adhesion of polyester, making it suitable as an ink binder for IMD.

### **Feature**

- 1. High Tg design provides excellent heat resistance and drying properties.
- 2. Excellent adhesion (to various plastics and films).
- 3. It has excellent flexibility and can be used for embossed areas.
- 4. It can be crosslinked with polyisocyanates.
- 5. Suitable as a binder for screen inks.



### **Application**

Screen ink binder (for IMD and glass base material)

# Property (Typical)

Item	Condition	EXCELOL 671-IP	
Component	-	Polyester modified acrylic polyol	
Tg(°C)	Calculated value	70	
Non-volatile content(%)	150°C × 1h	40	
Viscosity(mPa·s, 25°C)	BM type	16000	
Hydroxyl Value(mgKOH/g) Calculated value		8	
Appearance	Visual	Pale yellow liquid	
Solvent	_	Isophorone	

## Performance

Item		Condition	1	2
Main Agent	Product name	_	EXCELOL 671-IP	
Hardener	Product name	_	EXCELHARDENER X-03	EXCELHARDENER X-04
	Туре	_	Polyisocyanate resin XDI type	Polyisocyanate resin XDI type
	NCO content(%)	_	11.5	19.2
	Solid content(%)	-	75	100
Mixing ratio		NCO/OH=1.1	100/5.7	100/3.4
Adhesion	ABS	JIS K5600-5-6	100/100	100/100
	PC	Grid adhesion test (1mm×1mm/grid, 100 grids in	100/100	100/100
	PMMA		100/100	100/100
	PET	total) 100 is perfect.	100/100	100/100

Curing condition:  $70^{\circ}$ C × 1h $\rightarrow$ 23 $^{\circ}$ C × 24h Drying thickness: 10um

EXCELHARDENER X-03, X-04: Made by Asia Industry Co., Ltd.

X-03: Quick Dry, Adhesion XDI type X-04: Quick Dry, Adhesion HDI type

## Others

When handling this product, please read the Safety Data Sheet (SDS) and strictly follow the usage instructions and precautions.

This content may be changed without notice.