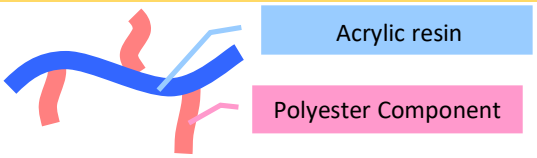
EXCELOL 673NF

Polyester modified acrylic polyol

EXCELOL 673NF is a polyester modified acrylic polyol resin developed for screen inks.
It is a functional resin that combines the weather resistance and quick-drying properties of acrylic with the adhesion and flexibility of polyester, providing an excellent balance of performance as a binder for screen inks.

Feature

1. Excellent weather resistance and quick-drying
2. Excellent adhesion to various plastics.
3. Excellent flexibility.
4. It can be crosslinked with polyisocyanates.
5. Suitable as a binder for screen inks.



Application

Binder for screen inks.

Property (Typical)

Item	Condition	EXCELOL 673NF
Component	–	Polyester modified acrylic polyol
Tg(℃)	Calculated value	51
Non-volatile content(%)	105℃ × 1h	50
Viscosity (mPa･s, 25℃)	BM type	6000
Hydroxyl Value (mgKOH/g)	Calculated value	12
Acid Value(mgKOH/g)	Calculated value	0.4
Appearance	Visual	Pale yellow liquid
Solvent	–	PGMAC, Isophorone, Solvent naphtha

Performance

Item		Condition	①	②
Main Agent	Product name	–	EXCELOL 673NF	
Hardener	Product name	–	EXCELHARDENER X-03	EXCELHARDENER X-04
	Type	–	Polyisocyanate resin XDI type	Polyisocyanate resin XDI type
	NCO content(%)	–	11.5	19.2
	Solid content(%)	–	75	100
Mixing ratio		NCO/OH=1.1	100/8.6	100/5.2
Adhesion	ABS	JIS K5600-5-6 Grid adhesion test (1mm × 1mm/grid, 100 grids in total) 100 is perfect.	100/100	100/100
	PC		100/100	100/100
	PMMA		100/100	100/100
	PET		100/100	100/100

Curing condition : 70℃ × 1h→23℃ × 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.

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