

## EXCELATE RUA-048

UV-curable medium-hardness urethane acrylate

EXCELATE RUA-048 is a polyester modified urethane acrylate with excellent flexibility and adhesion. Combining it with a hard oligomer is expected to improve flexibility.

### Feature

1. Medium hardness urethane acrylate with rubber elasticity.
2. Excellent flexibility and adhesion.
3. Since it has rubber elasticity, the dents in the coating will return over time (Self-repairing).

### Application

Coating material for plastic substrates, low shrinkage agent for hard coat



Accessories for information terminal equipment

### Property (Typical)

Item	Condition	EXCELATE RUA-048
Component	—	Urethane acrylate
Solid content(%)	—	100
Viscosity (mPa·s, 25°C)	BM type	22000
Functional groups	Calculated value	3
Appearance	Visual	Pale yellow liquid
Solvent	—	—

### Performance

Item		Condition	Result
Adhesion	PC	JIS K5600-5-6 Grid adhesion test (100 grids in total) 100 is perfect.	100/100
	ABS		100/100
	PET		100/100
Pencil hardness	On glass	Load 750g	5B
Hardness	Film	Durometer	D60
Stretch ratio	Film	Dumbbell No. 2 Test speed 200mm/min	40%
Breaking Strength			6MPa

Curing Conditions:  $80\text{mW}/\text{cm}^2 \times 1000\text{mJ}/\text{cm}^2$

### 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.