

## EXCELATE RUA-089

UV-curable medium-hardness urethane acrylate

EXCELATE RUA-089 is a polyester modified urethane acrylate with excellent elasticity and medium hardness. By crosslinking with high functionality, the resin has excellent chemical resistance. Taking advantage of the properties of rubber elasticity, it also has self-repairing properties.

### Feature

1. It is a highly elastic resin with self-repairing properties.
2. It is flexible and has excellent chemical resistance.
3. Suitable as base resin for self-repairing paints and soft-feel paints.

### Application

Film coating materials, self-repairing paints, soft-feel paints



Accessories for information terminal equipment

### Property (Typical)

Item	Condition	EXCELATE RUA-089
Component	—	Urethane acrylate
Solid content(%)	—	100
Viscosity (mPa·s, 60°C)	E type	3500
Functional groups	Calculated value	5
Appearance	Visual	Pale yellow liquid
Solvent	—	—

### Performance

Item		Condition	Result
Repair Time	23°C	Brass Brush(0.2kg)	Within 10 seconds
	5°C		Within 30 seconds
Stretch ratio	Film	Dumbbell No. 2	30%
Breaking Strength		Test speed 200mm/min	8MPa
Hardness	Film	Durometer	D75
Pencil hardness	On glass	Load 750g	4B
Adhesion	ABS	JIS K5600-5-6 Grid adhesion test (100 grids in total) 100 is perfect.	100/100
	PC		100/100
	TPU		100/100
	PET		100/100

Curing Conditions : 80mW/cm<sup>2</sup> × 900mJ/cm<sup>2</sup>

### 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.