

EXCELATE RUA-066SP

UV-curable high-hardness urethane acrylate

EXCELATE RUA-066SP is a urethane acrylate with high-hardness.
Suitable as a coating material for protective films.

Feature

1. Excellent hardness and resistance to steel wool.
2. Taking advantage of the characteristics of urethane acrylate, it is hard yet flexible and bendable.
3. Further improvement in sophistication can be expected by using nano silica.

Application

Coating materials for films, coating materials for plastic substrates



Protective Film

Property (Typical)

Item	Condition	EXCELATE RUA-066SP
Component	—	Urethane acrylate
Solid content(%)	—	100
Viscosity (mPa·s, 60°C)	E type	6500
Functional groups	Calculated value	10
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
	PMMA		100/100
Pencil hardness	PC	Load 750g	2H
	PET		3H
	PMMA		9H
Steel wool resistance		#0000, 1kg 500round trip	Pass

Curing Conditions: 80mW/cm² × 900mJ/cm²

Drying thickness: 10um

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.