

EXCELATE RUA-076MG

UV-curable high-hardness urethane acrylate

EXCELATE RUA-076MG is a high-hardness urethane acrylate.

By adjusting the concentration of urethane groups, a hard coat with excellent abrasion resistance is achieved while also being flexible and having low shrinkage.

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. It can be used for a wide range of purposes, from general hard coating to functional applications .

Application

Coating materials for films, coating materials for plastic substrates



Protective Film



Home appliances

Property (Typical)

Item	Condition	EXCELATE RUA-076MG
Component	—	Urethane acrylate
Solid content(%)	—	100
Viscosity (mPa·s, 25°C)	BM type	50000
Functional groups	Calculated value	6
Appearance	Visual	Pale yellow liquid ~solid
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	H
	PET		3H
	PMMA		9H
Steel wool resistance		#0000, 1kg 1800ound 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.