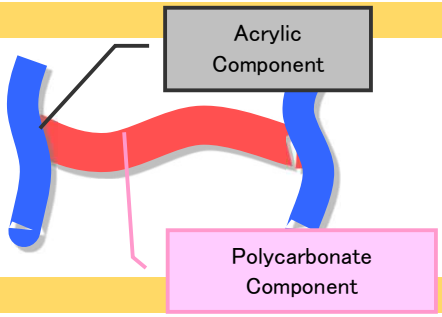
EXCELOL910

Polycarbonate modified acrylic urethane copolymer

EXCELOL910 is an acrylic urethane copolymer resin that has excellent extensibility, toughness, heat processability and weather resistance.
By copolymerizing acrylic and urethane, we have achieved physical properties that exceed those of blends

Feature

1. It forms a coating film with excellent weather resistance and transparency.
2. Excellent tear strength of paint film.
3. It can be crosslinked with polyisocyanates.
4. A marking film resin with physical properties equivalent to vinyl chloride film.



Application

Marking film resin

Property (Typical)

Item	Condition	EXCELOL910
Component	–	Polycarbonate modified acrylic urethane copolymer
Non-volatile content(%)	105℃ × 1h	35
Viscosity (mPa·s, 25℃)	BM type	5000
Hydroxyl Value (mgKOH/g)	Calculated value	4
Appearance	Visual	Pale yellow liquid
Solvent	–	Toluene

Performance

Item		Condition	Result
Main Agent	Product name	–	EXCELOL910
Hardener	Product name	–	EXCELHARDENER D
	Component	–	Polyisocyanate resin
	NCO content(%)	–	19.7
	Solid content(%)	–	100
Mixing ratio		Weight ratio	100/1
Stretch ratio	Film	Dumbbell No. 2 Test speed 200mm/min	250%
5% Modulus			15MPa
Yield point			24MPa
Breaking Strength			24MPa
Tear strength			5.5N/mm

Curing condition : 110℃ × 15min　　Drying thickness : 50um
EXCELHARDENER D: Made by Asia Industry Co.,Ltd.
Tear strength: The strength when the test piece is torn in the 180° direction at 200 mm/min.

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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