

# Solvent-based Adhesives for Industrial Use

## ▶ Application

Adhesives for synthetic leather (TPU leather, PVC leather), Adhesives for tarpaulin, Adhesives for TPU belt

## ▶ Characteristics

- Excellent adhesion to flexible PVC and TPU film
- Capable of providing toluene-free adhesives
- Capable of improving heat-resistance/durability by using together with our hardeners
- Capable of making some main components available as a semi-non-yellowing type by using together with our hardeners

**U series :** •Exhibiting excellent durability/heat-resistance/plasticizer-resistance, because of selected polyol component as base material  
•Applicable to roll/knife coating requiring a large amount, and to coating on non-smooth surface of substrate such as fiber, because of the relatively high viscosity

**T series :** •Solution-polymerized “T-619(B)”, “T-744” ;suitable for application requiring heat-resistance/durability, because of the relatively high molecular weight  
•Solution-polymerized “T-728”, “T-729”, “T-731” ;applicable to gravure coating for flexible PVC, because of the relatively low viscosity

**HS series :** •“HS-315” ;utilizable as a solvent-based hot melt adhesive for fiber

## ▶ Representative Products

### Main component

Product name	Non-volatile component (%)	Viscosity (dPa·s/25°C)	Solvent composition	Hardener used (representative)	Compounding ratio (weight-ratio)	Application and characteristics
U-507	45	1,000~2,000	TOL,MEK	UD-C	100:6	High crystallinity ester-based PU for PVC/woven fabric
U-507EA	45	1,000~1,500	EA	UD-C	100:6	Toluene-free U-507
U-527EM	28	20~60	EA,MEK	UD-C	100:4	High crystallinity ester-based PU for PVC/woven fabric
U-524	60	600~1,000	TOL	UD-C	100:12	Low crystallinity ester-based PU for adhesion control
U-586NT	30	6~15	EA,MEK	UD-C	100:6	Improved durability from U-507
U-845	45	800~1,200	TOL,EA	C-75N	100:6	Semi-non-yellowing U-507
T-619(B)	22	60~200	THF,DMF,Ace	UD-C	100:5	Durable PU for conveyor belt
T-744	25	60~120	THF,DMF,Ace	UD-C	100:5	Ester-based PU for conveyor belt
T-728	30	25~32	TOL,MEK	C-18	100:10	Standard grade for PVC/PEF
T-729	30	30~60	EA	C-18	100:10	Toluene-free T-728
T-731	37	70~100	TOL,MEK	C-18	100:12	High solid/viscosity T-728
HS-315	54	200~600	MEK,DMF	—	—	Solvent-based hot melt adhesive

### Hardener

Product name	Non-volatile component (%)	Viscosity (dPa·s/25°C)	Solvent composition	Application and characteristics
C-18	100	1~3	—	Excellent heat-resistance / room temperature curing
C-26	40	0.01~0.03	EA	Diluted C-76
C-75N	75	1.0~6.0	EA	Non-yellowing
C-76	75	5~20	EA	Standard grade
C-83	100	15~30	—	Non-yellowing
UD-C	75	10~20	EA	Standard grade

TOL= Toluene, EA= Ethyl acetate, Ace= Acetone

