

Solvent-based Adhesives for Flexible Packaging Materials

Dainichiseika Color & Chemicals Mfg. Co., Ltd.

▶ Application

- Adhesives for food packaging films
- Adhesives for flexible packaging films

▶ Characteristics

- Excellent in surface wettability on plastic film, applicable to gravure coating for thin film, and including some grades applicable to aluminum foil / transparent vapor deposition film

A series : Alcohol-based adhesives for polystyrene films, applicable from dry food packaging to low-temperature heating(boiling) products, and also applicable from high-temperature heating(boiling) products to aluminum retort pouch

E series : Ester-based solution adhesives, available as semi-non-yellowing and non-yellowing types depending on hardeners selected

▶ Representative Products

Main component

Product name	Non-volatile component (%)	Viscosity (mPa·s/25°C)	Solvent composition	Recommended hardener	Compounding ratio (specific gravity ratio), main component : hardener	Application and characteristics
A-154-2	70	4,000~6,000	EA	C-88	18:18	General-purpose, Quick-curing
A-159	60	600~1,000	EA	C-89(F)	18:18	Applicable to transparent vapor deposition film
A-189	75	3,000~5,000	EA	C-118	18:18	Applicable to transparent vapor deposition/high-solids coating
A-348	50	900~2,200	IPA,EA	C-93	15:1.1	Diluted with alcohol
E-263	63	2,500~4,000	EA	C-26	15:3	Boiling suitability, also applicable to transparent retort pouch
E-278	75	3,000~6,000	EA	C-76	18:2.4	Boiling suitability, also applicable to high-solids coating
E-372	65	3,500~6,500	EA	C-76	17:2	For plastic films/metallic foils
				C-84	17:3	Semi-non-yellowing type of E-372/C-76
A-601E	60	1,400~3,000	EA	C-76	18:2	For plastic films/metallic foils
				C-83	18:1	Non-yellowing type of A-601E/C-76

Hardener

Product name	Non-volatile component (%)	Viscosity (mPa·s/25°C)	Solvent composition	Application and characteristics
C-88	80	1,000~4,000	EA	For A-154-2
C-89(F)	80	1,000~4,000	EA	For A-159
C-93	93	500~1,000	EA,Acetone,EtOH	For A-348
C-118	75	600~2,000	EA	For A-189
C-26	40	1~30	EA	Diluted type of C-76
C-76	75	500~2,000	EA	Standard grade
C-83	100	1,500~3,000	—	Non-yellowing
C-84	60	20~100	EA	Semi-non-yellowing

EA= Ethyl acetate, EtOH= Ethanol

* In principle, our two-component adhesives consist of a main component and a hardener.

* Basically, our two-component adhesives conform to Food Sanitation Act in Japan.

* The values shown above are typical values, not standard values.

