

# Silicone-polyurethane Copolymer Solution

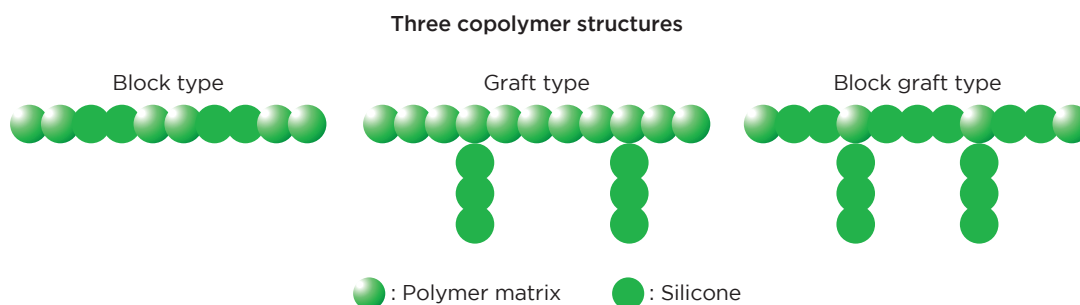
## ▶ Application

- Coating agent for functional films
- Coating agent for thermal recording materials
- Coating agent provided with surface properties
- Release agent
- Water repellent agent

## ▶ Characteristics

- SP series : silicone-based copolymer
- Capable of obtaining coating layer having surface properties of silicone, after coating/drying/curing the solution containing only general solvents
- Capable of expecting the improvement of mechanical strength based on polymer matrix, and reducing “bleed” because of copolymerization
- Capable of optionally selecting silicone content and copolymer resin, and designing/developing our products according to purpose/application
- Exhibiting various physical properties, such as non-adhesion/low-friction coefficient/chemical-resistance/electrical insulation properties/water-repellency/heat-resistance/cold-resistance/oil-repellency

## ▶ Structure



## ▶ Representative Products

Produce name	Solid content (%)	Viscosity (mPa·s)	Solvent composition	Surface slipperiness (μk)	Combined- use of crosslinking agent
SP-2105	20.0±1.5	2,000~30,000	MEK/ Toluene	0.030	Yes
SP-3035	14.5±1.5	50~300	MEK/ Toluene / Cyclohexanone	0.025	Yes/No

## ▶ Dedicated Crosslinking Agent

Product name	Solid content (%)	Viscosity (mPa·s)	Solvent composition	Content	Note
D-70	50.0±1.5	50~300	Ethyl acetate	Polyiso-cyanate	Fast- setting

