

Silicone-polyurethane Copolymer Solution

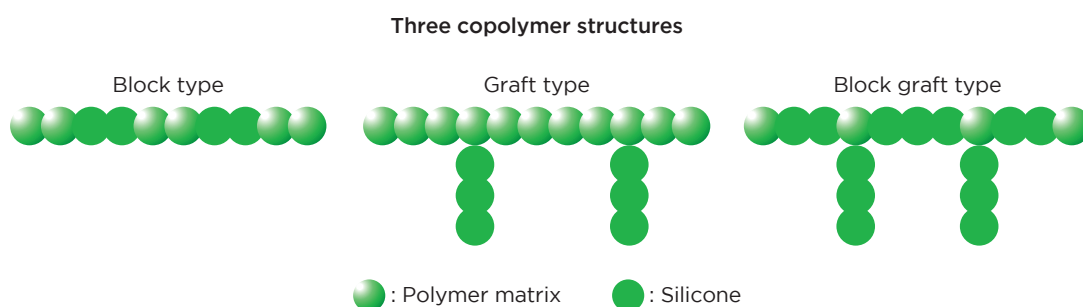
▶ Application

- Coating agent for functional films
- Coating agent for thermal recording materials
- Coating agent for imparting surface properties to substrates
- Release agent
- Water repellent agent

▶ Characteristics

- SP series : silicone-based copolymer
- Capable of forming a coating layer having the unique surface properties of silicone, after coating / drying / curing the solution consisting of general solvents
- Various physical properties, such as non-adhesion, low-friction coefficient, chemical-resistance, electrical insulation properties, water repellency, heat-resistance, cold-resistance and oil repellency
- Capable of improving the mechanical strength based on polymer matrix, and of reducing "bleeding" because of the copolymerization
- Capable of choosing any of silicone contents and copolymer resins, and of performing formulation design according to application and purpose

▶ 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

