

For various molding (extrusion, injection, calendering, etc.)

Applications

Molding method		Application
Injection molding	Automotive parts	Ball joint, Dust cover, Tire chains, Side molding
	Machinery / Industrial components	O-ring, Sealing materials, Gears, Connector
	Sporting goods	Sports shoes, Fins, Goggles
	Others	Watch bands, Casters, Rollers, Heel top pieces of shoes
Extrusion molding	Hose/Tube	Pressure-resistant hoses, Tubes, Fire hose liners
	Belt	Conveyor belts, Air mattresses, Tarpaulins, Driving belts, Round belts
	Cable	Electrical wire / Cable covering, Computer wiring, Curl cord
	Others	Ropes, Medical disposables
Calender molding		Conveyor belts, Films, Flexible containers

Characteristics

TPU (thermoplastic polyurethane elastomer) with well-balanced properties

- An extensive lineup of colorants for TPU (CP/CPE) and functional TPU compounds as shown below.
- We offer crosslinking agents (EM) for addition to TPU, along with conductive (EC) and flame-retardant (FG) grades.
- In addition, We also offer other functional products, such as antifungal / antibacterial grade (BG series) and electron beam curing grade (EB series).

Representative Products

Product name	Characteristic
CP/CPE (Colorants)	Applicable to colorants for thermoplastic polyurethane <ul style="list-style-type: none"> • Excellent in color development and stability due to superior pigment dispersibility. • Custom color matching is also available upon request.
CPL (Laser marking type)	Excellent in mechanical properties, processability and laser marking performance <ul style="list-style-type: none"> • Applicable to laser marking by using a 1,060nm-1,070nm laser beam. • Custom color matching is also available upon request.
EC (Conductivity type)	Excellent in mechanical properties/processability <ul style="list-style-type: none"> • Provides a wide conductive range (10^2 to 10^{10} Ω). • Also available in transparent antistatic and low-hardness conductive grades.
FG (Flame-resistant type)	Excellent in mechanical properties/processability <ul style="list-style-type: none"> • We also offer a high flame-retardant grade that is compliant with UL-94V-0. • Halogen-free grades are also available.
EM (Crosslinking agent)	A crosslinking agent developed to improve the abrasion resistance, heat resistance, chemical resistance, and compression set of thermoplastic polyurethane <ul style="list-style-type: none"> • Capable of forming a mesh structure in the resin during heat treatment after blending TPU and resin. • Capable of improving various properties.