Application

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Molding method		Application
Injection molding	Automotive parts	Ball joint, Dust cover, Tire chains, Side molding
	Machinery/ Industrial components	O-ring, Sealing materials, Various types of gears, Connector
	Sporting goods	Sports shoes, Fin, Goggles
	Others	Watch band, Caster, Roller, Heel top piece
Extrusion molding	Hose/ Tube	Pressure-resistant hose, Tube, Inner part of fire hose
	Belt	Conveyor belt, Air mattress, Tarpaulin, Driving belt, Round belt
	Electric wire/ Cable	Electric wire/ Cable covering, Computer wiring, Various types of curl cord
	Others	Various types of ropes, Disposable products for medical application
Calendar molding		Conveyor belt, Film, Flexible container

▶Characteristics

TPU for molding, developed with our original technology

- •The best abration-resistance and the highest level of strength/ elongation, compared with other resin-based elastomers, such as polyester-, polyolefin- and polystyrene-
- •Settable shore hardness covering a wide range of variation
- •Free from vulcanization process
- •Capable of recovering/ recycling scraps
- •Well-balanced characteristics, such as cold-resistance and oil-resistance
- •Capable of coloring highly functional products described below by using our CP series

▶ Representative Products Standard grade

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Product name	Polyol	Characteristics
P-1000	Ed.	General-purpose grade
P-7000	Ester	Enhanced low temperature characteristics
P-2000	Ether	Hydrolysis-resistance, Bacteria-resistance
P-4000	Caprolactone	Excellent in injection moldability
P -800	Polycarbonate	Hydrolysis-resistance、Bacteria-resistance, Heat-resistance

Highly functional grade

Product name	Characteristics
PH (Heat-resistant type)	Higher heat-resistance compared with conventional TPU •Less compression strain under high temperature, and higher softening point •High resistance against heated oil/grease •Wide application range because of fewer changes in property in wide temperature range
PS (Silicone- copolymerized type)	Both characteristics of silicone and TPU •Low adhesion and excellent releasability •Wide application range because of less decrease in elastic molus under high temperature and fewer changes in shore hardness under low temperature
PM (Moisture-permeable type)	•Higher moisture-permeability (2-3 times as compared with conventional TPU) •Applicable to non-porous materials •Water-swelling and non-swelling types
P-8794S (Shock absorbing type)	Excellent shock absorption property compared with conventional TPU •Excellent in hydrolysis-resistance, heat-resistance and oil-resistance, because of polycarbonate-based TPU •Greater variation in shore hardness with temperature compared with standard type

