

## Basic Data of Tire Material

Tire Material	Natural Rubber	Polybutadiene Rubber	Polybutadiene High-Rebound Rubber	Polybutadiene Red Rubber
Model Number of Wheel	—	S•PN•PNA•PND•RG•H•PC	SH	SR
Hardness	HS80	HS65	HS58	HS60
Elasticity	○	☆	☆	☆
Compression Set	○	○	○	○
Wear-resistance	○	◎	◎	◎
Weather-resistance	○	○	○	○
Oil Proof (Machine Oil)	△	△	△	△
Gasoline-resistance	×	×	×	×
Heat-resistance (°C)	90	80	80	80
Cold-resistance (°C)	-20	-40	-20	-20
Water-resistance	○	△	△	△
Chemical-resistance (Acidity, Alkali)	△	△	△	△
Starting Resistance	○	◎	☆	◎

Tire Material	Chloroprene Heat-resistance Rubber	Polyurethane Rubber (thermosetting)	Nylon	Monomer Cast Nylon
Model Number of Wheel	CR	SUI•SUIE•PNU•PNUA•PNUD•RF•R	P•PB•PBD•RGN	RR•UWB•UWBS•UWA•UWBD•UWBSD
Hardness	HS70	HS95 (SUIE:HS90)	HR120	HR120
Elasticity	○	◎	×	×
Compression Set	○	☆	△	◎
Wear-Resistant	◎	☆	○	☆
Weather-Resistant	○	☆	☆	☆
Oil Proof (Machine Oil)	△	☆	☆	☆
Gasoline-Resistant	△	◎	◎	◎
Heat-Resistant (°C)	100	70	70	130
Cold-Resistant (°C)	-20	-30	-40	-40
Water-Resistant	△	△	○	○
Chemical-Resistant (Acidity, Alkali)	○	×	◎	◎
Starting Resistance	○	☆	◎	☆

\* Hardness HS:Shore hardness, HR:Rockwell hardness ☆ : Excellent ◎ : Very Good ○ : Good △ : Acceptable × : Improper

\* General characteristics of materials only. Please refer to them when selecting or judging materials, because the products are influenced by usage conditions and environments.

\* If you use the products outside the above temperature range, we recommend you to use iron wheels.

\* Bracket usage temperature range : -20°C~135°C

If you want to use the brackets at out of the above temperature range, please consult with us.

## RoHS Compliant

UKAI casters in this English catalog follow RoHS Directive (Restriction of Hazardous Substances).

### <Substances restricted by RoHS Directive and their maximum allowable concentrations>

Material	Maximum Allowable Concentration
Lead : Pb	0.1% (1000ppm)
Mercury : Hg	0.1% (1000ppm)
Cadmium: Cd	0.01% (100ppm)
Hexavalent Chromium: Cr <sup>6+</sup>	0.1% (1000ppm)
PBBs	0.1% (1000ppm)
PBDEs	0.1% (1000ppm)