

# TECHNICAL INFORMATION



## \* Low Compression Set, High Rebound Grade (Keypad & O/A Rolls) (LSi-901,902/XX)

LSI – 901,902/XX is a translucent two-component silicone rubber for use in liquid injection molding to produce high performance elastomeric parts. It is clear, but easily pigmented. LSI – 901,902/XX offers convenient 1:1 mix ratio and easy release from molds. Various applications are suitable for this product ranging from packing to gasket. Specially this grade has been developed for the applications of keypad, and suitable for the economic and general purpose

### • FEATURES

- Rapid cure time depending upon part size, configuration and molding temperature
- Economic and general purpose.
- Low compression set after curing
- Formulated to meet FDA 21CFR 177.2600

### • Application

- General Molding
- Keypad and O/A Rolls
- Packing and gasket
- Electrical/Electronic boots

### PROPERTIES

press cure (171°C×10min)

Typical Properties	Test Methods	LSI 901/40	LSI 901/50	LSI 901/60	LSI 901/70	LSI 902/70
Colors	ASTM E 1767	Transparent				
Viscosity(A/B) Pa·s	Share Rate 10s <sup>-1</sup>	75/75	45/50	69/48	233/156	500/500
Specific gravity	ASTM D 792	1.13	1.12	1.15	1.18	1.15
Hardness	ASTM D2240	40	50	60	70	68
Tensile Strength (MPa)	ASTM D412	6.0	4.5	5.0	8.0	9.0
Elongation (%)	ASTM D412	350	180	100	100	300
Tear strength (kgf/cm)	"B" ASTM D624 "B"	25	20	20	15	10
Rebound resilience (%)	ASTM D 1054	70	75	75	70	65
Compression set (%)	ASTM D395	15	15	15	15	25

Compression Set : 177°C×22hrs