# **TECHNICAL INFORMATION**



# \* Flame Retardant Grade (UL94V-0) LSI-500/XX

LSI-500/XX of liquid silicone elastomers are excellent flame retardant property and heat stability to be complied with UL 94 V-0, two component systems designed for liquid injection molding. LSI – 500/XX offers convenient 1:1 mix ratio and easy release from molds.

#### • FEATURES

- Flame Retardant UL94V-0, (UL E-98818).
- Halogen Free.
- Convenient 1:1 mix ratio for use with automatic equipment
- Good Heat Stability (- 50  $^\circ$ C  $\sim$  + 240  $^\circ$ C).
- Good Electrical Property.

## • Application

Flame Retardant and high Temp. Parts.

- PDP, TFT-LCD Lamp holder.
- -Rubber part for Home electric appliances
- Rubber part for OA equipment

## PROPERTIES

press cure (171°C×10min)

Typical Properties		Test Methods	LSI 500/55W	LSI 500/55G	LSI 500/60Bk
Colors		ASTM E 1767	White	Gray	Black
Viscosity(A/B) Pa·s		Share Rate 10s <sup>-1</sup>	260/300	400/350	270/220
Specific gravity		ASTM D 792	1.33	1.34	1.28
Hardness		ASTM D2240	56	54	62
Tensile Strength (MPa)		ASTM D412	6.0	5.4	7.2
Elongation (%)		ASTM D412	340	350	350
Tear strength (kgf/cm)	"B"	ASTM D624 "B"	16	17	20
Rebound resilience (%)		ASTM D 1054	64	65	60
Flame Retardant		UL94	V-0	V-0	V-0

| The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.