

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°C ~ + 240°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 ⁻¹	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