TECHNICAL INFORMATION



* Self-Lubricating Grade, Oil Bleed (LSI-304/XX)

LSI-304/XX series of liquid silicone elastomers are self-lubricating, translucent, two component systems designed for liquid injection molding. These products yield low compression set values as molded making them ideal candidates for connector seal and gasket applications.

LSI-304/XX silicone elastomers offer a range of durometers and % lubricating fluid using the following product nomenclature

• FEATURES

- Self lubricating over an extended period of time
- Low compression set as molded
- Excellent mold release
- Translucent
- Easily pigment able

• Application

- Electrical connections
- Automotive connector seals
- Weather pack seals

PROPERTIES

press cure (171°C×10min)

Typical Properties		Test Methods	LSI 304/30	LSI 304/40	LSI 304/50	LSI 304/60	LSI 304/70
Colors		ASTM E 1767	Translucent				
Viscosity(A/B)	Pa∙s	Share Rate 10s ⁻¹	300/260	300/300	350/350	400/400	300/300
Specific gravity		ASTM D 792	1.10	1.11	1.12	1.13	1.12
Hardness		ASTM D2240	30	40	50	60	68
Tensile Strength (MPa)		ASTM D412	5.5	5.5	6.0	7.0	6.5
Elongation	(%)	ASTM D412	600	500	450	400	110
Tear strength (kgf/cm)	"B"	ASTM D624 "B"	31	35	35	35	15
Rebound resilience (%)		ASTM D 1054	50	50	50	55	55

| 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.