

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