

TECHNICAL INFORMATION



* General Purpose, High Transparent, High Strength Grade (LSI-200/XX)

LSI-200/xx is a transparent two-component silicone rubber for use in liquid injection molding to produce high performance elastomeric parts. It is clear, but easily pigmented. LSI - 200/xx offers convenient 1:1 mix ratio and easy release from molds. Various applications are suitable for this product ranging from mechanical parts such as connector inserts, seals and valve parts, to sports goggles, masks, camera parts and coating metal rolls.

• FEATURES

- High clarity for excellent visibility
- Rapid cure time depending upon part size, configuration and molding temperature
- Excellent release from metal molds
- Formulated to meet FDA 21CFR 177.2600

PROPERTIES

press cure (171°C×10min)

Typical Properties		Test Methods	LSI 200/20	LSI 200/30	LSI 200/40	LSI 200/50
Colors		ASTM E 1767	Transparent			
Viscosity(A/B)	Pa·s	Share Rate 10s ⁻¹	200/190	350/360	350/350	350/350
Specific gravity		ASTM D 792	1.08	1.10	1.12	1.16
Hardness		ASTM D2240	20	30	40	50
Tensile Strength (MPa)		ASTM D412	2.5	7.1	9.0	9.0
Elongation (%)		ASTM D412	600	800	700	600
Tear strength (kgf/cm)	"B"	ASTM D624 "B"	14	19	38	40
Rebound resilience (%)		ASTM D 1054	40	50	60	60
Compression set (%)		ASTM D395	40	30	25	25

Compression Set : 177°C×22hrs

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•Application

- General Molding
- Suitable for food contact
- Diving snorkels and mask
- Electrical/Electronic boots

PROPERTIES

press cure (171 °C×10min)

Typical Properties	Test Methods	LSI 200/60	LSI 200/70	LSI 200/75	LSI 200/80
Colors	ASTM E 1767	Transparent			
Viscosity(A/B) Pa·s	Share Rate 10s ⁻¹	400/400	450/450	580/550	480/480
Specific gravity	ASTM D 792	1.13	1.14	1.14	1.14
Hardness	ASTM D2240	60	67	72	76
Tensile Strength (MPa)	ASTM D412	10	10	10	10.2
Elongation (%)	ASTM D412	600	450	350	320
Tear strength (kgf/cm)	"B" ASTM D624 "B"	40	38	28	26
Rebound resilience (%)	ASTM D 1054	62	65	45	45
Compression set (%)	ASTM D395	25	25	25	25

Compression Set : 177 °C×22hrs