

# TECHNICAL INFORMATION



## \* Low viscosity, Fabric Coating Grade (LSI-280/XX)

LSI-280/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-280/XX offers convenient 1:1 mix ratio and easy release from molds. Various applications are suitable for this product. Specially this grade has been developed for the applications of coating.

### • FEATURES

- High clarity for excellent visibility
- Convenient 1:1 mix ratio for use with automatic equipment
- Excellent release from metal molds.
- Formulated to meet FDA 21CFR 177.2600

### • Application

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

### PROPERTIES

press cure (171°C×10min)

Typical Properties	Test Methods	LSI 280/30	LSI 280/40	LSI 280/50	LSI 280/60	LSI 280/70
Colors	ASTM E 1767	Transparent				
Viscosity(A/B) Pa·s	Share Rate 10s <sup>-1</sup>	65/55	80/80	100/100	110/110	140/140
Specific gravity	ASTM D 792	1.08	1.08	1.08	1.11	1.12
Hardness	ASTM D2240	30	40	50	60	68
Tensile Strength (MPa)	ASTM D412	6.2	6.8	8.5	9.0	8.4
Elongation (%)	ASTM D412	430	420	450	320	200
Tear strength (kgf/cm)	"B" ASTM D624 "B"	20	22	40	35	10
Rebound resilience (%)	ASTM D 1054	70	65	60	60	50
Compression set (%)	ASTM D395	25	25	25	25	25

Compression Set : 177°C×22hrs