

## Introducing **Silbione®** Biomedical Silicones for Long Term Implant Applications (>30 days)

### Silbione® Biomedical Liquid Silicone Rubber (LSR) Elastomers

Typical Properties	Silbione® Biomedical Product	Durometer, ShA	Tensile, psi (MPa)	Elongation, %	Tear Strength, ppi (kN/m)	Specific Gravity	Extrusion Rate, g/min	Appearance
	LSR M301 A/B	1 (35sh00)	270 (1.9)	1100	45 (7.8)	1.07	(Viscosity = 55k cps)	Clear
	LSR M305 A/B	5 (48sh00)	480 (3.3)	1050	65 (11.5)	1.07	(Viscosity = 60k cps)	Clear
	LSR M310 A/B	10	850 (5.8)	1020	115 (20)	1.09	315	Clear
	LSR M325 A/B	23	1250 (8.6)	970	180 (32)	1.11	105	Clear
	LSR M330 A/B	30	1340 (9.2)	800	185 (32)	1.11	100	Clear
	LSR M340 A/B	40	1250 (8.6)	660	230 (40)	1.12	90	Clear
	LSR M350 A/B	50	1225 (8.4)	600	270 (47)	1.12	85	Clear
	LSR M360 A/B	60	1275 (8.8)	480	240 (42)	1.12	95	Clear
	LSR M365 A/B	65	1270 (8.8)	470	250 (43)	1.14	70	Clear
	LSR M370 A/B	70	1290 (8.9)	475	225 (39)	1.14	76	Clear
Low Consistency Elastomers								
LSR M125	27	800	550	70	1.08	(Viscosity = 75k cps)	Clear	
LSR M125 10:1	28	770	480	75	1.08	(Viscosity = 85k/2 cps)	Clear	
LSR M130	30	700	450	70	1.08	(Viscosity = 75k cps)	Clear	
LSR M130 10:1	31	650	480	70	1.08	(Viscosity = 90k/550 cps)	Clear	
LSR M140	41	975	385	145	1.09	(Viscosity = 75k cps)	Clear	

The typical properties listed above are not intended for use in preparing specifications for any particular application of 'Elkem Silicones' materials. All reported typical properties are press cured 5 mins. @ 177°C. Silbione is a registered trademark of ElkemSilicones. Note: User has sole responsibility to determine product suitability for intended uses and applications.

For more information, call **1-866-474-6342** or visit our web site at [www.silbione.com](http://www.silbione.com).

## Silbione® Biomedical Liquid Silicone Rubber (LSR) Elastomers for Long Term Implants >30 Day

Biocompatibility	Silbione® Product	Extraction Testing		Biocompatibility Tests <sup>(1)</sup>											
		FDA 21CFR 177.2600	FDA 7117.11 Nitro-samines	Cytotoxicity	Skin Sensitization	Intracutaneous Tox (USP)	Skin Irritation (ISO 10993)	Systemic Toxicity	Mutagenicity	Hemolysis	Mucosal Irritation	Pyrogenicity (USP)	12-Week Implant	ISO 10993 or USP VI	FDA Master File (MAF)
	LSR M301 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M305 A/B	Water extraction only	■	■	■	■	■	■	■	■	■	■	■	■	●
	LSR M310 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M325 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M330 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M340 A/B	■	■	■	■	■	■	■	■	■	■	■	■	■	●
	LSR M350 A/B	■ (2)	■	■	■	■	■	■	■	■	■	■	■	■	●
	LSR M360 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M365 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M370 A/B			■	■	■	■	■	■	■	■	■	■	■	●
	LSR M125, LSR M125 10:1, LSR M130, LSR M130 10:1, M140, LSR M140 10:1			■	■	■	■	■	■	■	■	■	■	■	■

(1) - The biocompatibility testing listed addresses the categories of evaluation specified in ISO 10993 for implant device use of greater than 30 days duration

(2) - Supported by testing meeting European Pharmacopoeia section 3.1.9 hexane extraction

All testing conducted on cured LSR product A+B

■ Indicates test performed on the material; successfully passed.