SILBIONE LSR 4300 Series

Description	SILBIONE Liquid Silicone Rubbers (LSRs) are two-component platinum-catalyzed silicone elastomers designed for liquid injection molding healthcare and medical devices, including applications of less than 30 day implantation in the human body. Available in 01 to 25 durometer Shore A, Elkem Silicones' SILBIONE® LSRs offer the distinctive advantages of easy processing and easy release combined with high performance physical properties. Designed specifically for healthcare applications, SILBIONE® LSRs meet or exceed testing requirements of United States Pharmacopoeia (USP) Class VI. Biocompatibility testing addresse the categories of evaluation for cytotoxicity, skin sensitization and skin irritation specified in IS 10993 for device use of less than 30 days duration.							ing nctive cal g ddresses					
Examples of applications	 The easy processing and high performance physical properties of the SILBIONE LSRs make them suitable for a broad range of applications including: Fabrication of healthcare and medical devices, including less than 30 day implantation Skin contact parts like liners Balloons Orthopedic Insoles and cushioning applications Prosthetic liners Rollers 												
Key benefits	 Easy proc Excellent Superior of High performants Rebound Rapid cur Can be poor Easily pige Soft, skin- 	mold re clarity ormance resilience e at elev ost-cure mented	lease for e physica ce charao vated ter d, but pc	r shorter als – high cteristics mperatu ost cure i	r cycle tir n tear an s – cushie res	nes d elonga oning an	d non-ta	icky			illed		
Typical properties	As Supplied: Properties	4301	4305	4310	4325	4330	4340 HC	4350 HC	4360	4365	4370		
	Appearance	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear		
	Extrusion Rate, g/min	550	545	275	135	100	90	85	95	70	70		
	Specific Gravity	1.07	1.07	1.09	1.11	1.11	1.12	1.12	1.12	1.14	1.14		
	Press Cure, 5 minutes, 177°C (350°F)												
	Properties	4301	4305	4310	4325	4330	4340 HC	4350 HC	4360	4365	4370		
	Hardness, Shore A	1	5	10	23	30	40	50	60	65	70		
	Tensile strength, Psi	270	480	850	1250	1340	1250	1225	1275	1270	1250		
	Elongation, %	1100	1050	1020	970	800	660	600	480	470	440		
	Tear strength, Ppi	45	65	115	180	185	230	270	240	250	230		

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Post-cured, 4 hours, 200°C (392°F)

Properties	4301	4305	4310	4325	4330	4340 HC	4350 HC	4360	4365	4370
Hardness, Shore A	2	4	10	26	31	40	50	61	68	72
Tensile strength, Psi	219	450	750	1198	1350	1250	1275	1250	1196	1200
Elongation, %	800	1000	1060	1035	750	605	530	430	445	440
Tear strength, Ppi	35	60	125	168	205	285	290	235	255	200
Modulus, 100%, Psi	32	20	28	72	200	200	340	400	484	580

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	 SILBIONE LSRs are supplied as kit-matched products. Parts A and B components are designed to be mixed in equal parts using standard liquid injection molding processing equipment and techniques. Airless mixing, metering and dispensing equipment are recommended. Kit matching, accurate measuring and complete mixing are essential factors in obtaining consistent results.
Regulation	Extensive toxicology testing on SILBIONE® products has demonstrated their adequate biocompatibility and suitability for the recommended applications. SILBIONE LSR 4301 A, SILBIONE LSR 4301 A+B, SILBIONE LSR 4301 B, SILBIONE LSR 4305 A, SILBIONE LSR 4305 B, SILBIONE LSR 4310 A, SILBIONE LSR 4310 A+B, SILBIONE LSR 4310 B, SILBIONE LSR 4325 A, SILBIONE LSR 4325 B, SILBIONE LSR 4330 A, SILBIONE LSR 4330 A+B, SILBIONE LSR 4330 B, SILBIONE LSR 4340 A+B, SILBIONE LSR 4340 HC A, SILBIONE LSR 4340 HC B, SILBIONE LSR 4350 A+B, SILBIONE LSR 4350 HC A, SILBIONE LSR 4350 HC B, SILBIONE LSR 4360 A, SILBIONE LSR 4360 A+B, SILBIONE LSR 4360 B, SILBIONE LSR 4365 A, SILBIONE LSR 4365 B, SILBIONE LSR 4370 A and SILBIONE LSR 4370 B satisfies regulatory requirement in several countries and complies with a number of medical and pharmaceutical regulations. Contact Elkem Silicones for more detailed information.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	 SILBIONE LSR 4301 A is available in Drum of 200 KG (441 LB) Pail of 18 KG (39.69 LB) SILBIONE LSR 4301 A+B is available in Piece of 1 PC SILBIONE LSR 4301 B is available in Drum of 200 KG (441 LB) Pail of 18 KG (39.69 LB) SILBIONE LSR 4305 A is available in Pail of 18 KG (39.69 LB) SILBIONE LSR 4305 B is available in Pail of 18 KG (39.69 LB) SILBIONE LSR 4305 B is available in Pail of 18 KG (39.69 LB) Drum of 200 KG (441 LB) SILBIONE LSR 4305 B is available in Pail of 18 KG (39.69 LB) Drum of 200 KG (441 LB)

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- SILBIONE LSR 4310 A is available in
 - Pail of 18 KG (39.69 LB)
 Drum of 200 KG (441 LB)
 - SILBIONE LSR 4310 A+B is available in
 - Piece of 1 PC
- SILBIONE LSR 4310 B is available in
 - Pail of 18 KG (39.69 LB)
 - o Drum of 200 KG (441 LB)
- SILBIONE LSR 4325 A is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
- SILBIONE LSR 4325 B is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
- SILBIONE LSR 4330 A is available in
 - Drum of 200 KG (441 LB)
 - Pail of 18 KG (39.69 LB)
- SILBIONE LSR 4330 A+B is available in
 Piece of 1 PC
- SILBIONE LSR 4330 B is available in
 - Drum of 200 KG (441 LB)
 - Pail of 18 KG (39.69 LB)
- SILBIONE LSR 4340 A+B is available in
 Piece of 1 PC
- SILBIONE LSR 4340 HC A is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
- SILBIONE LSR 4340 HC B is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
- SILBIONE LSR 4350 A+B is available in
 Piece of 1 PC
- SILBIONE LSR 4350 HC A is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
- SILBIONE LSR 4350 HC B is available in
 - Pail of 18 KG (39.69 LB)
 - o Drum of 200 KG (441 LB)
- SILBIONE LSR 4360 A is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
 - Activity unit
- SILBIONE LSR 4360 B is available in
 - Pail of 18 KG (39.69 LB)
 - Drum of 200 KG (441 LB)
 - Activity unit
- SILBIONE LSR 4365 A is available in
 - Drum of 200 KG (441 LB)
 - Pail of 18 KG (39.69 LB)
- SILBIONE LSR 4365 B is available in
 - Drum of 200 KG (441 LB)
 - Pail of 18 KG (39.69 LB)
- SILBIONE LSR 4370 A is available in
 - Drum of 200 KG (441 LB)

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SILBIONE LSR 4300 Series

	 Pail of 18 KG (39.69 LB)
	SILBIONE LSR 4370 B is available in
	 Drum of 200 KG (441 LB)
	 Pail of 18 KG (39.69 LB)
Storage and shelf life	When stored in its original packaging:
	SILBIONE LSR 4301 A may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4301 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4301 B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4305 A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4305 B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4310 A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4310 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4310 B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4325 A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4325 B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4330 A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4330 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4330 B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F for u
	to 12 months from its date of manufacturing.
	SILBIONE LSR 4340 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4340 HC A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F fo
	up to 12 months from its date of manufacturing.
	SILBIONE LSR 4340 HC B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F fo
	up to 12 months from its date of manufacturing.
	SILBIONE LSR 4350 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4350 HC A may be stored at temperatures between -5°C / 23°F and 30°C / 86°F fo
	up to 12 months from its date of manufacturing.
	SILBIONE LSR 4350 HC B may be stored at temperatures between -5°C / 23°F and 30°C / 86°F fo
	up to 12 months from its date of manufacturing.
	SILBIONE LSR 4360 A may be stored at a temperature below 40°C / 104°F for up to 12 months
	from its date of manufacturing.
	SILBIONE LSR 4360 A+B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4360 B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4365 A may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4365 B may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4370 A may be stored for up to 12 months from its date of manufacturing.
	SILBIONE LSR 4370 B may be stored for up to 12 months from its date of manufacturing.
	Comply with the storage instructions and expiration date marked on the packaging. Beyond this
	date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Safety	Please consult the Safety Data Sheet of:
	SILBIONE LSR 4301 A, SILBIONE LSR 4301 A+B, SILBIONE LSR 4301 B, SILBIONE LSR 430
	A, SILBIONE LSR 4305 B, SILBIONE LSR 4310 A, SILBIONE LSR 4310 A+B, SILBIONE LSR
	4310 B, SILBIONE LSR 4325 A, SILBIONE LSR 4325 B, SILBIONE LSR 4330 A, SILBIONE LSF 4330 A+B, SILBIONE LSR 4330 B, SILBIONE LSR 4340 A+B, SILBIONE LSR 4340 HC A,
	SILBIONE LSR 4340 HC B, SILBIONE LSR 4350 A+B, SILBIONE LSR 4340 HC A, SILBIONE LSR 4340 HC A, SILBIONE LSR 4340 HC A, SILBIONE LSR 4350 HC A, SILBION
	LSR 4350 HC B, SILBIONE LSR 4360 A, SILBIONE LSR 4360 A+B, SILBIONE LSR 4360 B,
	SILBIONE LSR 4365 A, SILBIONE LSR 4365 B, SILBIONE LSR 4370 A and SILBIONE LSR 437
	В

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