

Silbione™ Liquid Silicone Rubbers

Medical grade silicones used in the fabrication of medical devices and components

Silbione™ Liquid Silicone Rubbers

Elkem Silicones understands how important performance and processability is when producing high quality precision molded parts for the healthcare market. The Silbione™ range of LSRs offer distinctive advantages of easy processing, easy release and high-performance physical properties to improve part appearance, functionality, and productivity.

	Silbione™ products	Shore A Hardness	Tensile Strength MPa / psi	Elongation %	Tear Strength kNm ¹ / pli	Specific Gravity	Viscosity Pa.s	Biocompatibility support *
High performance, efficient processing LSRs	LSR 4301 A/B	1	1,9 / 270	1100	7,8 / 45	1,07	75	•
	LSR 4305 A/B	5	3,3 / 480	1050	11,5 / 65	1,07	70	•
	LSR 4310 A/B	10	5,8 / 850	1020	20 / 115	1,09	230	•
	LSR 4325 A/B	25	8,6 / 1250	970	32 / 180	1,11	600	•
	LSR 4330 A/B	30	9,2 / 1340	800	32 / 180	1,11	620	•
	LSR 4340 A/B	40	8,5 / 1250	660	40 / 230	1,12	630	•
	LSR 4350 A/B	50	8,4 / 1225	600	47 / 270	1,12	680	•
	LSR 4360 A/B	60	8,8 / 1275	480	42 / 240	1,12	770	•
	LSR 4370 A/B	70	8,9 / 1290	475	39 / 225	1,14	1000	•
Low Consistency Elastomers	LSR 4125 A/B	27	5,5 / 800	550	12 / 70	1,08	-	•
	LSR 4125 A/B 10:1	28	5,3 / 770	480	13 / 75	1,08	-	•
	LSR 4130 A/B	30	4,8 / 700	450	12 / 70	1,08	-	•
	LSR 4130 A/B 10:1	31	4,5 / 650	480	12 / 70	1,08	-	•
	LSR 4140 A/B	41	6,7 / 975	385	25 / 145	1,09	60	•
	LSR 4140 A/B 10:1	40	6,7 / 975	350	24 / 140	1,09	-	•
Self-Lubricating LSRs	LSR 4745	45	8,6 / 1240	635	44 / 255	1,10	-	•
	LSR 4755	53	7,9 / 1140	570	38 / 220	1,12	650	•
	LSR 4765	64	8,1 / 1170	454	38 / 220	1,12	-	•

*Silbione™ grade materials have been tested for biocompatibility according to applicable ISO 10993 and/or USP Class VI standards. The typical properties listed above are not intended for use in preparing specifications. For test methods and specifications, please contact an Elkem representative.

User has sole responsibility to determine product suitability for intended uses and applications.

For detailed commercial contacts please visit our website:
www.silicones.elkem.com

Elkem Silicones France SAS
21 avenue Georges Pompidou
F-69466 Lyon Cedex 03 - France
Tel.: +33 (0)4 72 13 19 00
Fax: +33 (0)4 72 13 19 88

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Elkem Silicones guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and Elkem Silicones is at their disposal to supply any additional information.