

Silicones

Delivering  
your  
potential

Silbione



Silbione™ soft Elastomers

Medical grade RTV, Gels & Foams used in Orthotics and  
Prosthetics

## Silbione™ Room Temperature Vulcanizing (RTV) elastomers

Outstanding balance between low viscosity for easy casting and high mechanical properties for durability.

	Silbione™ product	Color	Shore A Hardness	Viscosity Pa.s	Max working time 23°C	Max setting time 23°C	Tear Strength N/mm	Biocompatibility support*
High Performance	RTV 4511 (QC)	Translucent	11 Sh00	1,2	60' (25')	90' (35')	-	•
	RTV 4522	Translucent	22 Sh00	2	2h (25')	(45')	-	•
	RTV 4530	Translucent	30 Sh00	4	1h10' (10')	3h	3	•
	RTV 4404	Translucent	4	1,9	40'	3h	9	•
	RTV 4408 (QC)	Translucent	8	1,5	2h (50')	6h	14	•
	RTV 4410 (QC)	Translucent	10	1,9	1h10' (10')	-	15	•
	RTV 4420 (QC)	Translucent	20	4	50' (3')	3h (35')	15	•
	RTV 4428	Translucent	28	20	90'	16h	20	•
	RTV 4440	Translucent	40	50	70'	-	18	•
Balanced performance	RTV 4407 (QC)	Translucent	7	1	20'	45'	1	•
	RTV 4417	Translucent	16	3	10'	-	4	•
	RTV 4439	Translucent	40	7	25'	-	2,5	•
Lower tack & Easier to demold	RTV 4522 HY	Translucent	22 Sh00	0,9	100'	-	-	•
	RTV 4404 HY	Translucent	4	1,9	45'	-	8	•
	RTV 4406 HY	Translucent	55 Sh00	1	80'	-	1	•
	RTV 4408 CLR	Transparent	8	8,5	1h50'	-	5	•
Special performance	RTV 4335	Pink	35	paste	2'	5'	-	•
	RTV 4425 ADH	Translucent	30	3	20' at 70°C	Basecoat	-	•
	RTV 4418 ADH	Translucent	18	10,5	55'	Basecoat	-	•
	RTV 4410 LD	White	10	5,2	35'	Low density 0,8	6,5	•

## Silbione™ RT Gels & RT Foam

Precisely controlled gels with excellent compromise between dampening & rebound.

	Silbione™ product	Color	Penetration mm/10	Viscosity Pa.s	Max working time	Density	Biocompatibility support*
Pressure care & Cushions	RT GEL 4521 LD	White	190	6	60' at 23°C	0,72	•
	RT GEL 4220 (QC)	Translucent	190	1	50' at 23°C	0,98	•
External breast prosthesis	RT GEL 4029 ADV	Trans	275	-	-	0,98	•
	RT GEL 4023 ADV	Skin, Trans	240	0,25	7' at 70°C	0,98	•
	RT GEL 4123	Skin	230	0,6	10' at 80°C	0,98	•
	RT GEL 4022	Skin	220	0,3	10' at 80°C	0,98	•
	RT GEL 4622 SLD	Skin	220	6,5	60' at 23°C	0,6	•
Foam	RT FOAM 4230	White	40 Sh00	15	Rise time 4' at 23°C Demold time 30'	0,25	•

\*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.

Customized grades upon request. Elkem also supplies additives to adjust the product properties.

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.

Elkem Silicones

For detailed commercial contacts please visit our website: [www.silicones.elkem.com](http://www.silicones.elkem.com)