

**WACKER**

CREATING TOMORROW'S SOLUTIONS

SILPURAN®

ELASTOSIL®

PRODUCT OVERVIEW

# RTV SILICONES FOR MEDICAL APPLICATIONS

## SILPURAN® – Medical Skin Adhesives

Brand	Product	Adhesive Strength	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Penetration* [1/10 mm]	Adhesive Strength** [N/2.5 cm]	Tack [N]**	Pot Life at 23 °C [min]
SILPURAN®	2130	Low	1,100	1,000	220	1.8	55	74
SILPURAN®	2100	Medium	34,000	35,500	205	2.7	54	73
SILPURAN®	2112		11,600	11,500	225	2.6	55	76
SILPURAN®	2117		33,000	13,000	210	3.0	63	40
SILPURAN®	2114	Strong	12,000	10,000	200	3.5	66	70
SILPURAN®	2122		3,200	2,700	180	5.5	59	60

## SILPURAN® RTV-2 Silicone Rubber Grades for Orthotics and Prosthetics (WACKER Clean Operations)

Brand	Product	Blending ratio A:B	Color	Viscosity A D = 10 s-1 [mPa·s]	Viscosity B D = 10 s-1 [mPa·s]	Final hardness Shore A ISO 868	Final hardness Shore 00 ASTM 2240	Tensile strength ISO 37 [N/mm <sup>2</sup> ]	Elongation at break ISO 37 [%]	Tear strength ASTM D 624 B [N/mm]
SILPURAN®	2400	1:1	Translucent	1,800	1,800	7	55	2.0	600	3
SILPURAN®	2400/25	1:1	Translucent	3,300	2,000	–	25	1.3	700	3
SILPURAN®	2420	1:1	Translucent	2,500	5,000	12	62	4.0	650	14

## SILPURAN® RTV-1 Silicone Rubber Grade for Orthotics and Prosthetics

1-component, ready-to-use, silicone adhesive to bond silicone to silicone or to other substrates

Brand	Product	Color	Viscosity D = 10 s-1 [mPa·s]	Final hardness Shore A ISO 868	Tensile strength ISO 37 [N/mm <sup>2</sup> ]	Elongation at break ISO 37 [%]	Tear resistance ASTM 624 B [N/mm]
SILPURAN®	4200	Translucent	200,000	35	5.5	300	10

\* Measurement conditions for penetration: hollow cone 62.5 g, 60 sec.

\*\* On stainless steel

For standard specifications and technical parameters, refer to the technical data sheet. All figures are intended as a guide and should not be used in preparing specifications.

## ELASTOSIL® RTV-2 Silicone Rubber Grades for Orthotics and Prosthetics

Brand	Product	Blending ratio A:B	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Final hardness Shore A ISO 868	Final hardness Shore 00 ASTM 2240	Tensile strength ISO 37 [N/mm <sup>2</sup> ]	Elongation at break ISO 37 [%]	Tear resistance ASTM D 624 B [N/mm]
ELASTOSIL®	P 7600	1:1	4,000	2,000	–	28	1.2	650	3
ELASTOSIL®	P 7670	1:1	1,800	1,800	7	55	1.9	580	3
ELASTOSIL®	P 7671	1:1	1,500	1,800	–	21	0.5	400	2
ELASTOSIL®	P 7676	1:1	1,300	900	–	15	0.8	700	2
ELASTOSIL®	P 7683/25	1:1	1,200	3,500	–	25	1.5	650	5
ELASTOSIL®	P 7683/47	1:1	1,700	1,500	7	47	2.6	450	8
ELASTOSIL®	P 7684/40	1:1	1,500	2,300	–	40	2.2	670	8
ELASTOSIL®	P 7684/60	1:1	1,400	2,600	12	60	3.8	650	13

## ELASTOSIL® FX RTV-2 Silicone Rubber Tool Box System

Brand	Product	Mixing ratio	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Final hardness Shore A ISO 868	Final hardness Shore 00 ASTM 2240	Tensile strength ISO 37 [N/mm <sup>2</sup> ]	Elongation at break ISO 37 [%]	Tear resistance ASTM D 624 B [N/mm]
ELASTOSIL®	FX 10 A/B	1:1	4,000	6,000	10	–	> 3,5	750	–
ELASTOSIL®	FX 20 A/B	1:1	6,000	6,000	20	–	> 5,5	> 600	–
ELASTOSIL®	FX 28 A/B	1:1	10,000	10,000	28	–	6	500	> 25
ELASTOSIL®	FX Gel 30 A/B	1:1	4,000	4,000	–	30	1,5	600	–

## ELASTOSIL® RTV-2 Silicone Gels for External Mammary Prostheses

Brand	Product	Blending ratio A:B	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Potlife at 23 °C [h]	Gel time at 70 °C [min]	Penetration* [1/10 mm]
ELASTOSIL®	P 7616-160	1:1	350	1,400	> 6	22	160 (hollow cone 25g)
ELASTOSIL®	P 7618	1:1	50	300	> 6	15	220
ELASTOSIL®	P 7619	2:1	100	1,250	> 6	21	200
ELASTOSIL®	P 7630	1:1	9,000	9,000	0.5	3	220 (density 0.62 g/cm <sup>3</sup> )

## ELASTOSIL® RTV-2 Silicone Gels for Antidecubitus Applications

Brand	Product	Blending ratio A:B	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Potlife at 23 °C [min]	Penetration* [1/10 mm]
ELASTOSIL®	P 26028 VP	1:1	35	1,000	75	150

\* Measurement conditions for penetration: hollow cone 62.5 g, 60 sec.

For standard specifications and technical parameters, refer to the technical data sheet.

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