

WACKER

CREATING TOMORROW'S SOLUTIONS

SILPURAN®

ELASTOSIL®

PRODUCT OVERVIEW

RTV SILICONES FOR MEDICAL APPLICATIONS

SILPURAN® – Medical Skin Adhesives (WACKER CLEAN OPERATIONS)

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	Medium	11,600	11,500	225	2.6	55	76
SILPURAN®	2117	Medium	33,000	13,000	210	3.0	63	40
SILPURAN®	2114	Strong	12,000	10,000	200	3.5	66	70
SILPURAN®	2124	Strong	3,000	3,000	155	6.0	46	40

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 ²]	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 ²]	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 7683/25	1:1	1,200	3,500	–	25	1.5	650	5
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 ²]	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]	Pot Life 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 25 g)
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 ³)

ELASTOSIL® RTV-2 Silicone Gels for Antidecubitus Applications




Brand	Product	Blending Ratio A:B	Viscosity A [mPa·s]	Viscosity B [mPa·s]	Pot Life 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.
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7461 G e/10.23 replaces 7461 G e/10.22

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