

**WACKER** **SILICONES**

**ELASTOSIL®**

SILICONE PRODUCTS FOR THE  
ELECTRONICS INDUSTRY

CREATING TOMORROW'S SOLUTIONS

# A SUMMARY OF THE PROPERTIES OF SILICONE GELS

2-Part Addition-Curing		[g/cm <sup>3</sup> ] [mPa·s]					
Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time
<b>SEMICOSIL® 900 LT</b>	Thixotropic low-temperature gel, specified ion content	Transparent	1.00	15,000	1 : 1	2 h	12 h/23 °C or 10 min/120 °C
<b>SEMICOSIL® 905</b>	Long pot life, specified ion content	Brownish	0.96	200	1 : 1	6 h	48 h/23 °C or 30 min/120 °C
<b>SEMICOSIL® 911</b>	Thixotropic, specified ion content, low bleeding, controlled volatility	Transparent	1.00	8,500	1 : 1	1 h	5 min/100 °C or 2 min/130 °C
<b>SEMICOSIL® 913</b>	Opaque, distinct tackiness, good damping properties, specified ion content	Black	0.97	1,000	1 : 1	45 min	2 h/23 °C or 2 min/120 °C
<b>SEMICOSIL® 921</b>	High transparency, pressure-sensitive primerless adhesion, good damping properties	Transparent	0.97	700	1 : 1	90 min	24 h/25 °C or 15 min/125 °C
<b>SEMICOSIL® 9212</b>	High transparency, pressure-sensitive primerless adhesion, good damping properties	Transparent	0.97	700	1 : 1	8 h	24 h/25 °C or 15 min/125 °C
<b>WACKER SiGel 610</b>	Very soft	Transparent	0.96	7,000	1 : 1	1 h	4 h/23 °C or 5 min/120 °C
<b>WACKER SiGel 611 white</b>	Distinct tackiness, good damping properties	White	0.96	1,000	1 : 1	50 min	6 h/23 °C or 10 min/120 °C
<b>WACKER SiGel 612</b>	High transparency, distinct tackiness, good damping properties	Transparent	0.96	1,000	1 : 1	2.5 h	8 h/23 °C or 10 min/120 °C
<b>WACKER SiGel 612 EH</b>	Transparent, rapid curing, good damping properties, low risk of inhibition	Brownish	0.96	1,000	1 : 1	30 min	2 h/23 °C or 3 min/120 °C
<b>WACKER SiGel 614</b>	Tough silicone gel	Transparent	0.96	7,000	1 : 1	1 h	4 h/23 °C or 5 min/120 °C

These figures are intended as a guide and should not be used in preparing product specifications.

[mm/10]	[m/mK]	[kV/mm]	[ε]		[Ω · cm]	[W/mK]	[Months]	
Penetration	CTE	Dielectric strength	Dielectric constant	Dissipation factor	Volume resistivity	Thermal conductivity	Shelf life	Availability
70	3E-04	23	3.0	5E-03	1E + 16	0.2	12	On request
70	3E-04	23	2.7	1E-03	1E + 16	0.2	12	On request
60	3E-04	23	2.7	1E-03	1E + 16	0.2	12	On request
70	3E-04	23	3.0	6E-03	1E + 16	0.2	6	On request
a. A.	3E-04	22	2.5	1E-03	1E + 14	0.2	12	On request
a. A.	1E-04	22	2.5	1E-03	1E + 14	0.2	12	On request
90	3E-04	23	2.8	1E-03	1E + 16	0.2	12	On request
30	3E-04	23	2.8	1E-03	1E + 16	0.2	12	On request
75	3E-04	23	2.7	1E-03	1E + 16	0.2	12	Yes
30	3E-04	23	2.8	1E-03	1E + 16	0.2	12	On request
30	3E-04	23	2.8	1E-03	1E + 16	0.2	12	On request



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## 1-Part Addition-Curing

[g/cm<sup>3</sup>]

[mPa·s]

Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time
<b>SEMICOSIL® 924</b>	Thixotropic, heat-curing, specified ion content, low bleeding, controlled volatility	Translucent	1.00	35,000	n. a.	n. a.	4 h/100 °C or 10 min/150 °C
<b>SEMICOSIL® 9242</b>	UV-fluorescent version of SEM. 924, low viscosity vs. SEM. 924	Translucent	0.98	20,000	n. a.	n. a.	4 h/100 °C or 10 min/150 °C
<b>SEMICOSIL® 925</b>	Ready-to-use, one-part curing, good damping properties	Transparent	0.97	700	n. a.	n. a.	35 min/100 °C or 3 min/150 °C
<b>SEMICOSIL® 926</b>	Very low viscosity, specified ion content	Translucent	0.96	150	n. a.	n. a.	4 h/100 °C or 10 min/150 °C
<b>SEMICOSIL® 927 F</b>	Fluorosilicone gel, thixotropic, curing, specified ion content	Translucent	1.27	6,000	n. a.	n. a.	4 h/100 °C or 30 min/150 °C

These figures are intended as a guide and should not be used in preparing product specifications.

	[mm/10]	[m/mK]	[kV/mm]	[ε]		[Ω ·cm]	[W/mK]	[Months]	
	Penetration	CTE	Dielectric strength	Dielectric constant	Dissipation factor	Volume resistivity	Thermal conductivity	Shelf life	Availability
	50	3E-04	23	2.7	1E-03	1E + 16	0.2	3	On request
	50	3E-04	23	2.7	1E-03	1E + 16	0.2	3	On request
	60	3E-04	23	n. a.	n. a.	1E + 16	0.2	3	On request
	60	3E-04	23	2.7	1E-03	1E + 16	0.2	3	On request
	60	3E-04	23	n. a.	n. a.	1E + 16	0.2	3	On request

# SILICONES FOR POTTING AND EMBEDDING

2-Part Condensation-Curing			[g/cm <sup>3</sup> ]	[mPa·s]				
Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time	
<b>ELASTOSIL® RT 563</b>	General-purpose potting compounds	Beige	1.27	3,500	100 : 4	40 min	24 h/23 °C	
<b>ELASTOSIL® RT K</b>	General-purpose potting compounds	Gray	1.22	7,000	100 : 4	150 min	7 h/23 °C	
<b>ELASTOSIL® RT 426</b>	General-purpose potting compounds	Reddish brown	1.44	10,000	100 : 4	60 min	24 h/23 °C	
<b>ELASTOSIL® RT 428</b>	General-purpose potting compounds	Reddish brown	1.53	10,000	100 : 4	60 min	24 h/23 °C	
<b>ELASTOSIL® RT 2100</b>	Excellent heat resistance	Reddish brown	1.49	15,000	100 : 0.3	120 min	24 h/23 °C	

2-Part Addition-Curing			[g/cm <sup>3</sup> ]	[mPa·s]				
Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time	
<b>ELASTOSIL® RT 601</b>	General-purpose potting compounds, highly transparent	Transparent	1.02	3,500	9 : 1	90 min	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 602</b>	General-purpose potting compounds, good heat resistance	Beige	1.17	3,500	9 : 1	80 min	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 604</b>	Highly transparent	Transparent	0.96	800	9 : 1	90 min	24 h/23 °C or 8 min/100 °C	
<b>ELASTOSIL® RT 607</b>	General-purpose potting compounds, flame-retardant, good heat resistance	Reddish brown	1.43	10,000	9 : 1	80 min	24 h/23 °C or 5 min/100 °C	
<b>ELASTOSIL® RT 622</b>	General-purpose potting compounds, suitable for the manufacture of technical molded parts, excellent mechanical properties	Reddish brown	1.13	12,000	9 : 1	60 min	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 624</b>	Potting compound, suitable for injection molding	Transparent	1.05	50,000	1 : 1	24 h	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 625</b>	General-purpose potting compounds, suitable for the manufacture of technical molded parts, excellent mechanical properties	Translucent	1.10	35,000	9 : 1	60 min	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 628</b>	Suitable for the manufacture of technical molded parts, good mechanical properties	Gray	1.23	40,000	9 : 1	70 min	24 h/23 °C or 10 min/100 °C	
<b>ELASTOSIL® RT 675</b>	Excellent thermal conductivity	Reddish brown	2.30	35,000	1 : 1	150 min	60 min/70 °C or 10 min/150 °C	
<b>ELASTOSIL® RT 743LV</b>	Heat-curing, very low viscosity, controlled volatility	Gray	1.45	1,300	1 : 1	8 h	60 min/120 °C or 20 min/150 °C	
<b>ELASTOSIL® RT 743LV-K</b>	Heat-curing, very low viscosity, controlled volatility, low risk of inhibition	Gray	1.45	1,300	1 : 1	4 h	40 min/120 °C or 10 min/150 °C	

These figures are intended as a guide and should not be used in preparing product specifications.

	[N/mm <sup>2</sup> ]	[%]	[N/mm]	[m/mK]	[kV/mm]	[□]		[□ ·cm]		[W/mK]	[Months]	
Hardness Shore A	Tensile strength	Elongation at break	Tear strength	CTE	Dielectric strength	Dielectric constant	Dissipation factor	Volume resistivity	CTI	Thermal conductivity	Shelf life	Availability
55	4.5	120	3.0	3E-04	23	2.8	8E-03	6E + 13	>600	0.3	12	Yes
45	2.0	130	On request	3E-04	23	3.3	3E-02	1E + 14	>600	0.3	12	Yes
55	4.5	120	5.5	2E-04	23	3.7	2E-02	1E + 14	>600	0.4	12	Yes
70	6.0	90	5.0	2E-04	23	3.5	2E-02	1E + 13	>600	0.5	12	Yes
60	5.2	130	4.4	2E-04	20	4.0	7E-03	1E + 15	>600	0.3	12	On request

	[N/mm <sup>2</sup> ]	[%]	[N/mm]	[m/mK]	[kV/mm]	[□]		[□ ·cm]		[W/mK]	[Months]	
45	7.0	100	3.0	3E-04	23	2.8	1E-03	1E + 15	>600	0.2	12	Yes
30	1.5	130	n. a.	3E-04	23	3.1	5E-02	1E + 15	>600	0.2	12	Yes
25	n. a.	n. a.	n. a.	3E-04	23	2.7	2E-03	1E + 15	>600	0.2	12	Yes
55	3.5	100	4.0	3E-04	23	3.7	4E-02	1E + 15	>600	0.4	12	Yes
27	6.5	550	30.0	3E-04	23	3.2	5E-03	1E + 15	>600	0.2	12	Yes
40	5.0	300	12.0	3E-04	23	3.2	5E-03	1E + 15	>600	0.2	12	Yes
25	6.5	600	30.0	3E-04	23	3.2	5E-03	1E + 15	>600	0.2	12	Yes
50	3.5	230	11.0	3E-04	23	3.2	6E-03	1E + 15	>600	0.3	12	Yes
80	2.0	50	8.0	2E-04	23	6.1	2E-02	1E + 15	>600	1.1	12	Yes
20	1.5	160	2.5	3E-04	23	3.1	1E-02	1E + 14	>600	0.5	9	Yes
20	1.5	160	2.5	3E-04	23	3.1	1E-02	1E + 14	>600	0.5	9	Yes



## 2-Part Addition-Curing, self-adhesive

[g/cm<sup>3</sup>] [mPa·s]

Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time
<b>ELASTOSIL® RT 615</b>	Low viscosity, low risk of inhibition	Brownish	0.96	1,000	1 : 1	8 h	60 min/70 °C or 10 min/150 °C
<b>ELASTOSIL® RT 741</b>	Heat-curing, medium hardness	Gray	1.35	1,000	1 : 1	24 h	60 min/100 °C or 15 min/150 °C
<b>ELASTOSIL® RT 745</b>	Low viscosity, low hardness	Brownish	0.96	1,000	1 : 1	8 h	60 min/80 °C or 10 min/120 °C
<b>ELASTOSIL® RT 745 „S“</b>	Low viscosity, very low hardness	Brownish	0.96	1,000	1 : 1	8 h	60 min/80 °C or 10 min/120 °C
<b>ELASTOSIL® RT 746</b>	Low hardness, rapid curing	Black	0.98	3,500	1 : 1	6 h	6 min/85 °C or 2 min/125 °C
<b>SEMICOSIL® 205</b>	Heat-curing, flame-retardant (UL-94 VO)	Gray	1.35	1,800	1 : 1	2 h	15 min/100 °C
<b>SEMICOSIL® 210</b>	Heat-curing, soft rubber	Transparent	0.98	75,000	1 : 1	1 h	15 min/100 °C

These figures are intended as a guide and should not be used in preparing product specifications.



	[N/mm <sup>2</sup> ]	[%]	[N/mm]	[m/mK]	[kV/mm]	[ε]		[Ω ·cm]		[W/mK]	[Months]	
Hardness Shore A	Tensile strength	Elongation at break	Tear strength	CTE	Dielectric strength	Dielectric constant	Dissipation factor	Volume resistivity	CTI	Thermal conductivity	Shelf life	Availability
15	0.3	200	n. a.	3E-04	23	2.8	3E-04	1E+15	>600	0.2	12	Yes
45	n. a.	n. a.	n. a.	3E-04	23	3.7	3E-02	1E+14	>600	0.3	12	Yes
15	0.3	200	n. a.	3E-04	23	2.9	4E-03	1E+15	>600	0.2	12	Yes
5	0.3	650	n. a.	3E-04	23	2.9	4E-03	1E+15	>600	0.2	12	Yes
18	0.3	200	n. a.	3E-04	23	2.9	4E-03	1E+15	>600	0.2	12	On request
10	0.7	180	1.8	3E-04	16	2.9	2E-03	1E+15	>600	0.3	12	On request
Shore 00 30	n. a.	n. a.	n. a.	3E-04	n. a.	n. a.	n. a.	n. a.	n. a.	0.2	12	On request

# SILICONES FOR COATING AND VARNISHING

Conformal Coating, 1-Part Condensation-Curing			[g/cm <sup>3</sup> ] [mPa·s]					
Product	Properties	Color	Density	Viscosity	Mixing ratio	Pot life / skin-over time	Curing time	
<b>ELASTOSIL® A 07</b>	Solvent-based, amine-curing, free-flowing	Translucent	1.02	9,000	n. a.	20 min	24 h/mm at 23 °C/50 % RH	
<b>ELASTOSIL® N 10</b>	Oxime-curing, ready-to-use	Transparent	1.07	10,000	n. a.	20 min	24 h/mm at 23 °C/50 % RH	
<b>ELASTOSIL® N 2010</b>	Alkoxy-curing, free-flowing, ready-to-use	Transparent	1.01	12,000	n. a.	20 min	24 h/mm at 23 °C/50 % RH	
<b>SEMICOSIL® 936 UV</b>	Rapid UV curing, solvent-free, shadow curing	Translucent	1.00	8,000	n. a.	120 min	UV curing 1 mil/15 sec	
<b>SEMICOSIL® 964</b>	Amine-curing, 100 % solids content, rapid curing in CO <sub>2</sub> /H <sub>2</sub> O atmosphere	Bluish	1.00	800	n. a.	20 min	5 mil: 20 min at 25 °C/50 % RH	
<b>SEMICOSIL® 964 UV/Clear</b>	Amine-curing, 100 % solids content, rapid UV curing	Transparent	1.00	800	n. a.	20 min	UV curing 1 mil/15 sec	
<b>SEMICOSIL® 960 Clear</b>	Ready-to-use, rapid curing, self-adhesive	Transparent	0.93	4,000	n. a.	20 min	5 mil: 20 min at 25 °C/50 % RH	
<b>SEMICOSIL® 960 Red</b>	Ready-to-use, rapid curing, self-adhesive	Red	0.93	4,000	n. a.	20 min	5 mil: 20 min at 25 °C/50 % RH	
Conformal Coating, 2-Part Addition-Curing			[g/cm <sup>3</sup> ] [mPa·s]					
<b>ELASTOSIL® RT 745</b>	Low hardness, low viscosity, self-adhesive	Brownish	0.98	1,000	1 : 1	8 h	60 min/80 °C or 10 min/120 °C	
<b>ELASTOSIL® RT 745 „S“</b>	Low hardness, low viscosity, self-adhesive	Brownish	0.98	1,000	1 : 1	8 h	60 min/80 °C or 10 min/120 °C	
<b>SEMICOSIL® 935</b>	Long pot life, self-adhesive, low risk of inhibition	Brownish	0.98	3,000	1 : 1	7 d	30 min/80 °C or 5 min/150 °C	
Junction Coating			[g/cm <sup>3</sup> ] [mPa·s]					
<b>SEMICOSIL® 992 JC</b>	Heat-curing, 1-part system, peroxide-curing, high viscosity	White	1.40	150,000	n. a.	n. a.	2 h/150 °C and 4 h/200 °C	

These figures are intended as a guide and should not be used in preparing product specifications.

	[m/mK]	[kV/mm]	[ε]		[Ω ·cm]	[W/mK]	[Months]	
Hardness Shore A	CTE	Dielectric strength	Dielectric constant	Dissipation factor	Volume resistivity	Thermal conductivity	Shelf life	Availability
20	3E-04	15	2.9	4E-03	1E + 15	0.2	6	Yes
25	3E-04	21	n. a.	n. a.	1E + 14	0.2	9	Yes
25	3E-04	21	n. a.	n. a.	1E + 14	0.2	9	Yes
30	3E-04	n. a.	n. a.	n. a.	n. a.	0.2	6	On request
27	3E-04	20	2.6	n. a.	1E + 15	0.2	12	On request
27	3E-04	20	2.6	n. a.	1E + 15	0.2	12	On request
25	3E-04	18	2.7	n. a.	1E + 15	0.2	12	On request
25	3E-04	18	2.7	n. a.	1E + 15	0.2	12	On request
	[m/mK]	[kV/mm]	[ε]		[Ω ·cm]	[W/mK]	[Months]	
15	3E-04	23	2.8	1E-03	1E + 15	0.2	12	Yes
5	3E-04	23	2.8	1E-03	1E + 15	0.2	12	Yes
15	3E-04	23	2.8	1E-03	1E + 15	0.2	12	On request
	[m/mK]	[kV/mm]	[ε]		[Ω ·cm]	[W/mK]	[Months]	
50	n. a.	20	3.5	6E-03	1E + 14	0.3	3	On request

# SILICONES FOR BONDING, FIXING AND SEALING

1-Part Condensation-Curing			[g/cm <sup>3</sup> ]	[mPa·s]		
Product	Properties	Color	Density	Viscosity	Pot life / skin-over time	Curing time
<b>ELASTOSIL® A 07</b>	Amine-curing, solvent-based, free-flowing	Translucent	1.02	9,000	10 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® A 234</b>	Amine-curing, free-flowing, UL-94 HB (150 °C)	White	1.21	35,000	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® A 33</b>	Amine-curing, non-sag	Beige	1.16	Non-slump	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® E 4</b>	Acetoxy-curing, low compression set	Transparent	1.10	Non-slump	15 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® E 41</b>	Acetoxy-curing, free-flowing, solvent-based	Transparent	1.09	65,000	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® E 43</b>	Acetoxy-curing, self-leveling	Black or transparent	1.09	350,000	15 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® E 50</b>	Acetoxy-curing, free-flowing	Transparent	1.07	50,000	10 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 10</b>	Oxime-curing, free-flowing	Transparent	1.07	10,000	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 179</b>	Alkoxy-curing	Black	1.25	Non-slump	25 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 189</b>	Oxime-curing, oil-resistant	Black	1.10	Non-slump	30 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 198</b>	Oxime-curing, excellent heat resistance	Gray or black	1.20	Non-slump	25 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 199</b>	Oxime-curing, good mechanical properties	Transparent	1.10	Non-slump	40 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2010</b>	Alkoxy-curing, free-flowing	Transparent	1.01	10,000	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2034</b>	Alkoxy-curing, self-leveling	Gray	1.15	40,000	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2189</b>	Alkoxy-curing, oil-resistant	Black	1.30	Non-slump	30 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2197</b>	Alkoxy-curing, excellent heat resistance	Gray	1.26	Non-slump	25 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2198</b>	Alkoxy-curing, excellent heat resistance	Black	1.35	Non-slump	10 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 2199</b>	Alkoxy-curing, excellent adhesion	Transparent	1.05	Non-slump	20 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® N 9132</b>	Alkoxy-curing, flame-retardant (UL-94 V0)	Gray or white	1.30	Non-slump	15 min	24 h/mm at 23 °C/50 % RH
<b>SEMICOSIL® 936 UV</b>	Rapid UV curing, solvent-free, shadow curing	Translucent	1.00	8,000	120 min	24 h/mm at 23 °C/50 % RH
<b>ELASTOSIL® A95 gray</b>	Thixotropic, soft, good elongation	Gray	1.30	Non-slump	15 min	24 h/mm at 23 °C/50 % RH
<b>SEMICOSIL® 979 EC</b>	Amine-curing, electrically conductive	Black	0.92	Non-slump	10 min	24 h/mm at 23 °C/50 % RH

These figures are intended as a guide and should not be used in preparing product specifications.

	[N/mm <sup>2</sup> ]	[%]	[m/mK]	[kV/mm]	[ $\Omega$ · cm]	[W/mK]	[Months]	
Hardness Shore A	Tensile strength	Elongation at break	CTE	Dielectric constant	Volume resistivity	Thermal conductivity	Shelf life	Availability
20	1.1	300	3E-04	15	1E + 14	0.2	6	Yes
36	2.2	200	3E-04	23	1E + 14	0.2	9	Yes
25	2.5	350	3E-04	17	1E + 14	0.2	9	Yes
16	1.5	600	3E-04	21	1E + 14	0.2	12	Yes
30	4.5	500	3E-04	21	1E + 14	0.2	12	Yes
30	4.5	500	3E-04	21	1E + 14	0.2	12	Yes
28	3.5	400	3E-04	21	1E + 14	0.2	9	Yes
25	1.6	200	3E-04	21	1E + 14	0.2	9	Yes
45	3.0	500	3E-04	21	1E + 14	0.2	9	On request
32	2.0	250	3E-04	21	1E + 14	0.2	9	Yes
42	3.0	300	3E-04	21	1E + 14	0.2	9	Yes
35	4.0	450	3E-04	21	1E + 14	0.2	9	Yes
25	1.0	200	3E-04	21	1E + 14	0.2	6	Yes
35	1.5	200	3E-04	21	1E + 14	0.2	6	Yes
44	2.3	250	3E-04	21	1E + 14	0.2	6	Yes
35	2.5	350	3E-04	21	1E + 14	0.2	6	Yes
50	2.5	250	3E-04	21	1E + 14	0.2	6	On request
40	2.5	300	3E-04	21	1E + 14	0.2	6	Yes
33	2.4	600	3E-04	21	1E + 14	0.2	6	Yes
30	n. a.	n. a.	3E-04	n. a.	n. a.	0.2	6	On request
18	n. a.	n. a.	3E-04	n. a.	1E + 14	0.2	6	On request
35	1.5	200	n. a.	n. a.	10	n. a.	12	On request



**2-Part Condensation-Curing**

 [g/cm<sup>3</sup>] [mPa·s]

Product	Properties	Color	Density	Viscosity	Pot life / skin-over time	Curing time
<b>ELASTOSIL® RT 771</b>	Rapid curing at RT, suitable for FIPG applications	Gray	1.45	100,000	15 min	2 h/23 °C
<b>ELASTOSIL® RT 772</b>	Rapid curing at RT, UL-94 HB (200 °C), excellent heat resistance	Gray	1.27	30,000	12 min	2 h/23 °C
<b>ELASTOSIL® RT 778</b>	Rapid curing at RT, excellent heat resistance	Black	1.30	Non-slump	6 min	1 h/23 °C

**1-Part Addition-Curing**

 [g/cm<sup>3</sup>] [mPa·s]

<b>ELASTOSIL® RT 705</b>	Heat-curing, excellent heat resistance, UL-94 HB	Black	1.23	100,000	n. a.	20 min/140 °C or 3 min/200 °C
<b>ELASTOSIL® RT 705 F</b>	Heat-curing, excellent heat resistance	Black	1.23	50,000	n. a.	20 min/140 °C or 3 min/200 °C
<b>ELASTOSIL® RT 706</b>	Heat-curing, excellent heat resistance, UL-94 HB	Red	1.23	80,000	n. a.	10 min/140 °C or 3 min/200 °C
<b>ELASTOSIL® RT 707</b>	Heat-curing, excellent heat resistance, UL-94 HB	White	1.12	65,000	n. a.	10 min/140 °C or 3 min/200 °C
<b>ELASTOSIL® RT 710</b>	Heat-curing, compressible	White	0.75	10,000	n. a.	30 min/130 °C or 10 min/150 °C
<b>ELASTOSIL® RT 713</b>	Heat-curing, compressible	Gray	0.75	Non-slump	n. a.	30 min/130 °C or 10 min/150 °C
<b>ELASTOSIL® RT 715</b>	Heat-curing, compressible	Gray	0.50	Non-slump	n. a.	30 min/130 °C or 10 min/150 °C
<b>SEMICOSIL® 971 TC</b>	Heat-curing, high thermal conductivity	White	2.75	Non-slump	n. a.	30 min/125 °C or 10 min/150 °C
<b>SEMICOSIL® 986/1K</b>	Heat-curing, UV-fluorescent	Translucent	1.10	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C
<b>SEMICOSIL® 987 GR</b>	Heat-curing, gray version of SEM. 987, excellent adhesion	Gray	1.07	Non-slump	n. a.	1 h/115 °C or 10 min/150 °C
<b>SEMICOSIL® 987/1K</b>	Heat-curing, excellent adhesion	Translucent	1.10	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C
<b>SEMICOSIL® 987/1K gray</b>	Heat-curing, gray version of SEM. 987/1K	Gray	1.07	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C
<b>SEMICOSIL® 988/1K</b>	Heat-curing, CIPG applications	Translucent	1.10	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C
<b>SEMICOSIL® 988/1K gray</b>	Heat-curing, CIPG applications	Gray	1.10	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C
<b>SEMICOSIL 989/1K</b>	Heat-curing, excellent adhesion	Translucent	1.10	Non-slump	n. a.	1 h/130 °C or 10 min/150 °C

These figures are intended as a guide and should not be used in preparing product specifications.

	[N/mm <sup>2</sup> ]	[%]	[m/mK]	[kV/mm]	[Ω ·cm]	[W/mK]	[Months]	
Hardness Shore A	Tensile strength	Elongation at break	CTE	Dielectric constant	Volume resistivity	Thermal conductivity	Shelf life	Availability
50	1.0	180	3E-04	23	1E + 14	0.2	12	On request
35	2.1	250	3E-04	23	1E + 14	0.2	12	On request
50	3.5	200	3E-04	23	1E + 14	0.2	12	On request
	[N/mm <sup>2</sup> ]	[%]	[m/mK]	[kV/mm]	[Ω ·cm]	[W/mK]	[Months]	
45	3.0	300	3E-04	23	1E + 14	0.2	6	On request
36	3.5	220	3E-04	23	1E + 14	0.2	6	On request
45	3.0	250	3E-04	23	1E + 14	0.2	6	On request
37	2.5	250	3E-04	23	1E + 14	0.2	6	On request
10	n. a.	n. a.	n. a.	23	1E + 14	n. a.	6	On request
23	1.5	350	n. a.	23	1E + 14	n. a.	6	On request
35	1.5	350	n. a.	23	1E + 14	n. a.	6	On request
75	3.0	70	0.95E-04	17	1E + 14	1.9	6	On request
50	5.0	250	3E-04	23	1E + 14	0.2	6	On request
50	5.0	250	3E-04	23	1E + 14	0.2	6	On request
50	5.0	250	3E-04	23	1E + 14	0.2	6	On request
50	5.0	250	3E-04	23	1E + 14	0.2	6	On request
35	5.0	250	3E-04	23	1E + 14	0.2	6	On request
35	5.0	250	3E-04	23	1E + 14	0.2	6	On request
55	5.0	200	3E-04	23	1E + 14	0.2	6	On request

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