



**WACKER**

CREATING TOMORROW'S SOLUTIONS

**WACKER**

ELASTOSIL®

Wacker Chemie AG  
 Hanns-Seidel-Platz 4  
 81737 Munich, Germany  
[www.wacker.com/contact](http://www.wacker.com/contact)

[www.wacker.com](http://www.wacker.com)  
 Follow us on:   

6934e/09.22 replaces 6934e/05.21

PRODUCT OVERVIEW

## SILICONE RUBBER FOR TEXTILE COATING

Rubber Dispersions · High Temperature Curing Silicone Rubber · Room Temperature Curing Silicone Rubber · Top Coats

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

Product	Curing mechanism	Characteristics	Color	Viscosity at 1/sec [mPas] DIN EN ISO 3219 / 25 °C	Viscosity at 10/sec [mPas] DIN EN ISO 3219 / 25 °C	Hardness Shore A ISO 48-4	Tensile strength [N/mm <sup>2</sup> ] ISO 37 Typ 1	Elongation at break [%] ISO 37 Typ 1	Tear resistance [N/mm] ASTM D 624 B	Processing	BfR XV. Silicones*	FDA 175.300 coatings*
<b>Rubber Dispersions</b>												
ELASTOSIL® RD 6600 F	Addition	Dry surface, solvent-based (60% xylene)	Transparent	115,000	45,000	60	5.5	350	12.0	Addition of 3% ELASTOSIL® CROSSLINKER 525 or 1% WACKER® CROSSLINKER W required	-	-
WACKER® FINISH CT 51 L	Condensation	Silky and flexible coatings, solvent-based (75% toluene)	Transparent	31,000	19,000	-	-	-	-	Addition of WACKER® INHIBITOR PT 88 and 1% WACKER® CATALYST C05 required	+	+
<b>High Temperature Curing Silicone Rubber</b>												
ELASTOSIL® LR 3001/55 FR A/B	Addition	Flame retardant (UL 94: V-0)	Grey	250,000	140,000	55	6.3	300	15.0	A/B-System, mixing ratio A:B = 1:1	-	-
ELASTOSIL® LR 6200 A/B	Addition	Low viscosity, dry surface	White	15,000	9,000	40	2.8	210	4.6	A/B-System, mixing ratio A:B = 1:1	-	-
ELASTOSIL® LR 3003/20 TR	Addition	General purpose, excellent mechanical properties	Transparent	360,000	210,000	22	8.3	870	24.0	A/B-System, mixing ratio A:B = 1:1	+	+
ELASTOSIL® LR 3003/30	Addition	General purpose, excellent mechanical properties	Transparent	210,000	100,000	30	7.0	610	21.0	A/B-System, mixing ratio A:B = 1:1	+	+
ELASTOSIL® LR 6240 A/B	Addition	Good flexibility, high modulus	Transparent	30,000	20,000	30	1.7	290	4.9	A/B-System, mixing ratio A:B = 1:1	+	+
ELASTOSIL® LR 6250 F	Addition	General purpose	Transparent	53,000	32,000	36	5.0	350	10.4	Addition of 3% ELASTOSIL® CROSSLINKER 525 or 1% WACKER® CROSSLINKER W	-	+
ELASTOSIL® LR 6260 A/B	Addition	High dielectric strength	Ivory	57,000	31,000	39	5.1	380	8.9	A/B-System, mixing ratio A:B = 1:1	-	+
ELASTOSIL® LR 6320 F	Addition	General purpose, low viscosity also with adhesion promoter	Transparent	28,000	23,000	20	2.4	450	4.3	Addition of 10% ELASTOSIL® CROSSLINKER SX or 3% ELASTOSIL® CROSSLINKER 525	+	+
ELASTOSIL® LR 6360 F	Addition	General purpose	Transparent	38,000	28,000	60	5.0	150	6.1	Addition of 5% WACKER® CROSSLINKER W	+	+
ELASTOSIL® NT 76	Addition	Newtonian rheology	Transparent	40,000	40,000	20	0.7	160	2.3	Addition of 3% ELASTOSIL® CROSSLINKER 525 or 6% WACKER (R) CROSSLINKER HX required	+	+
ELASTOSIL® R 401/40	Peroxide	General purpose	Transparent	n. a.	n. a.	40	10.0	580	28.0	Addition of 1.5% ELASTOSIL® AUX CURING AGENT E or 0.7% ELASTOSIL® CURING AGENT C1 required	+++	+++
ELASTOSIL® R plus 4001/40	Addition	General purpose	Transparent	n. a.	n. a.	40	11.8	930	38.0	Ready to use system	+	+
<b>Room Temperature Curing Silicone Rubber</b>												
ELASTOSIL® E43 N	Condensation	General purpose, excellent adhesion, tin-free	Transparent	380,000	260,000	35	4.5	350	12.0	Ready to use system	+	+
ELASTOSIL® E50 N	Condensation	General purpose, self leveling, tin-free	Transparent	63,000	53,000	35	1.5	150	5.0	Ready to use system	+	+
ELASTOSIL® E91	Condensation	Anti-slip surface, fast curing with steam, tin-free	Transparent	100,000	60,000	20	1.2	350	-	Ready to use system	-	-
ELASTOSIL® E92 N	Condensation	Anti-slip surface, fast skin formation at room temperature, tin-free	Transparent	160,000	90,000	20	1.5	350	-	Ready to use system	-	-
<b>Top Coats</b>												
ELASTOSIL® 47007	Addition	Low coefficient of friction, solvent-free	Ivory	16,000	7,000	-	-	-	-	Addition of 3% ELASTOSIL® CROSSLINKER W or 5% WACKER® CROSSLINKER HX required	-	-
ELASTOSIL® RD 3151 F	Addition	Glossy varnish, easy to clean, solvent-based (50% white spirits)	Transparent	20,000	3,500	-	-	-	-	Addition of 3% WACKER® CROSSLINKER W required	-	-
ELASTOSIL® RD 6620 F	Addition	Matt varnish, solvent-based (50% xylene)	Colorless, opaque	330,000	75,000	-	-	-	-	Addition of 1% WACKER® CROSSLINKER W required	-	-

\* Valid for the silicone base. Additives have to be evaluated separately!  
\*\* Valid after post-curing (4h/200 °C)