

CLASS VI LINE

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Liquid Silicone Rubbers, or LSRs, are elastomer systems reinforced with silica and supplied as a two component system. Because their consistency is similar to petroleum jelly, they are often pumped with injection molding equipment to form molded components such as o-rings, gaskets, valves, seals, and other precision molded parts.

High Consistency Rubbers, or HCRs, can be used for extrusion of tubing and profiles (rod or ribbon), in calendared sheeting for die-cutting, or in compression or transfer molded parts such as balloons, gaskets or o-rings. HCRs are clay-like in the uncured state and primarily formulated in a one or two part system (peroxide and platinum catalysts respectively).



USP CLASS VI LIQUID SILICONE RUBBERS

PRODUCT NUMBER	DUROMETER TYPE A	TENSILE psi (MPa)	ELONGATION %	TEAR ppi (kN/m)	WORK TIME @ 25 °C	MIX RATIO	CERTIFIED CURE SCHEDULE** TIME / °C	EXTRUSION RATE g/minute	STRESS @ STRAIN psi (MPa) @ %	CURE RATE T10 (m) @ 165°C	CURE RATE T90 (m) @ 165°C	MASTER ACCESS FILE	COMMENTS
SIL-5920	19	1080 (7.4)	900	90 (15.8)	> 72 h	1:1	5 m / 165	A:220 / B:220	90 (0.6) @ 200	0.15	0.45	NO	Designed for high-volume injection molding
SIL-5930	30	1340 (9.2)	830	150 (26.4)	> 72 h	1:1	5 m / 165	A:145 / B:145	160 (1.1) @ 200	0.15	0.30	NO	Designed for high-volume injection molding
SIL-5940	41	1365 (9.4)	700	165 (29.0)	> 72 h	1:1	5 m / 165	A:100 / B:100	300 (2.1) @ 200	0.15	0.35	NO	Designed for high-volume injection molding
SIL-5950	50	1450 (10)	550	180 (31.7)	> 72 h	1:1	5 m / 165	A:70 / B:70	425 (2.9) @ 200	0.15	0.25	NO	Designed for high-volume injection molding
SIL-5960	60	1300 (9.0)	425	200 (35.2)	> 72 h	1:1	5 m / 165	A:70 / B:70	725 (5) @ 200	0.15	0.50	NO	Designed for high-volume injection molding
SIL-5970	68	1250 (8.6)	400	175 (30.8)	> 72 h	1:1	5 m / 165	A:100 / B:100	850 (5.8) @ 200	0.15	0.45	NO	Designed for high-volume injection molding

USP CLASS VI HIGH CONSISTENCY RUBBERS

PRODUCT NUMBER	DUROMETER TYPE A	TENSILE psi (MPa)	ELONGATION %	TEAR ppi (kN/m)	WORK TIME @ 25 °C	MIX RATIO	CERTIFIED CURE SCHEDULE** TIME / °C	POST CURE TIME / °C	STRESS @ STRAIN psi (MPa) @ %	CURE RATE T10 (m) @ 165°C	CURE RATE T90 (m) @ 165°C	MASTER ACCESS FILE	COMMENTS
SIL2-5020	21	1620 (11.2)	1185	195 (34.3)	8 h	1:1	15 m / 165	-	65 (0.5) @ 200	0.15	0.29	NO	Designed for high-volume extrusion or molding
SIL2-5030	31	1690 (11.7)	1140	215 (37.8)	5 h	1:1	15 m / 165	-	120 (0.8) @ 200	0.15	0.26	NO	Designed for high-volume extrusion or molding
SIL2-5040	39	1510 (10.4)	1115	220 (38.7)	4 h	1:1	15 m / 165	-	140 (1.0) @ 200	0.15	0.29	NO	Designed for high-volume extrusion or molding
SIL2-5050	50	1350 (9.3)	940	245 (43.1)	4 h	1:1	15 m / 165	-	320 (2.2) @ 200	0.15	0.34	NO	Designed for high-volume extrusion or molding
SIL2-5060	60	1295 (8.9)	920	255 (44.9)	11 h	1:1	15 m / 165	-	380 (2.6) @ 200	0.15	0.20	NO	Designed for high-volume extrusion or molding
SIL2-5070	68	1330 (9.2)	855	260 (45.8)	2 h	1:1	15 m / 165	2 h / 150	360 (2.5) @ 200	0.15	2.80	NO	Designed for high-volume extrusion or molding
SIL2-5080	80	1140 (7.9)	615	210 (37.0)	>24 h	1:1	15 m / 165	2 h / 150	460 (3.2) @ 200	0.15	1.55	NO	Designed for high-volume extrusion or molding

m = minutes
h = hours

It is the sole responsibility of each purchaser to ensure that any use of these materials is safe and complies with all applicable laws and regulations. It is the user's responsibility to adequately test and determine the safety and suitability for their applications and NuSil Technology makes no warranty concerning fitness for any use or purpose.

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	IMPLANT	PREMIUM CARE	CLASS VI
USE	IMPLANTABLE	IMPLANTABLE (≤ 29 DAYS)	NOT IMPLANTABLE
SPECIFICATIONS/ PACKAGING	CUSTOMIZABLE	CUSTOMIZABLE	STANDARD
REGULATORY SUPPORT/ TESTING	IMPLANT	PREMIUM	CLASS VI
CUSTOMER SERVICE	NUSIL CARE		

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Please contact NuSil Technology for assistance and recommendations in choosing a particular product line.

Maahantuonti ja myynti Suomessa:

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