



**LOCTITE® SI 596™ RD  
Silicone Adhesive Sealant**

Makes gaskets that resist temperatures to 600°F (316°C) intermittent. Resists aging, weather and thermal cycling without shrinking, cracking or hardening. Fills gaps to 0.25 in.

P/N	Package Size
59630	80 ml tube
59675	300 ml cartridge
82279	12 oz. tube
40465	190 ml aerosol can

**LOCTITE® SI 5970™  
Flange Sealant**

A non-oxime gasket maker. Resistant to liquid coolants, oils and most automotive fluids.

P/N	Package Size
39246	300 ml cartridge
35230	50 lb. pail

**LOCTITE® SI 5109™ RD Tile  
Bond Red High Temp RTV  
Silicone Adhesive Sealant**

High initial tack strength silicone that resists temperatures to 600°F (316°C) intermittent.

P/N	Package Size
19163	300 ml cartridge
1162399	4.5 gallon pail

**LOCTITE® SI 5011™ CL  
Noncorrosive RTV Silicone  
Adhesive Sealant**

Neutral curing and noncorrosive for aluminum, concrete and electrical applications.

P/N	Package Size
51387	80 ml tube
51388	300 ml cartridge

# Elastomeric Gasketing & Sealing



## LOCTITE® Gasketing Properties Charts

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Gasketing & Sealing

LOCTITE® PRODUCT		ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	CONSISTENCY	OIL RESISTANCE	TEMPERATURE RANGE (INTERMITTENT)	SEALING TIME	AGENCY APPROVALS	
SEALING / FORMED-IN-PLACE	NONCORROSIVE	<b>SI 598™ BLACK</b>	34018 59830 59875 59891 40463	0.5 oz. tube** 70 ml tube 300 ml cartridge 49 lb. pail 190 ml can	Black	Paste	Excellent oil resistance	-75°F to 625°F (-59°C to 329°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	CFIA Listed
		<b>SI 587™ BLUE</b>	58730 58775 58791 40462	70 ml tube 300 ml cartridge 50 lb. pail 190 ml can	Blue	Paste	Increased oil resistance	-75°F to 500°F (-59°C to 260°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	NSF P1, CFIA Listed, ABS
		<b>SI 5699™ GREY</b>	18718 18581 18582 18583 40505	70 ml tube 300 ml cartridge 50 lb. pail 550 lb. drum 190 ml can	Grey	Paste	Increased oil resistance	-75°F to 625°F (-59°C to 329°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	CFIA Listed
		<b>SI 5920™ COPPER</b>	30542 82046 21472	70 ml tube 300 ml cartridge 40 lb. pail	Copper	Paste	Increased oil resistance	-65°F to 700°F (-54°C to 371°C)	Tack-Free – 60 min. Full Strength – 24 hrs.	CFIA Listed

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	TYPICAL USE	GAP FILL (INCHES)	EXTRUSION RATE (g/min.)	TEMP. RANGE	CURE METHOD	CURE SPEED*	SPECIFIC GRAVITY	SHORE HARDNESS	% ELONGATION	TENSILE STRENGTH (psi†)	AGENCY APPROVALS
<b>SI 5620™</b>	1257478	400 ml dual cartridge	Ultra-Clear / 1:1 A:B by volume	Ultra-clear potting, encapsulating, and sealing; noncorrosive	Unlimited	N/A	-40°F to 450°F (-40°C to 232°C)	Two-part	30 min.	1.00	A 35	N/A	N/A	N/A
	Part A - 1257595 Part B - 1257597	40 lb. pail 40 lb. pail												
	Part A - 1257594 Part B - 1257596	400 lb. drum 400 lb. drum												
<b>SI 5900®</b>	30509 40479 40478	5 fl. oz. cartridge 190 ml can 90 ml can	Black	High adhesion, instant seal	0.390	20 to 50	-65°F to 500°F (-54°C to 260°C)	Moisture	Tack-Free – 20 min. Full Cure – 24 hrs. to 7 days	1.3 to 1.37	A 31 to 36	>400	>246	NSF P1
	20176 20177 20178	300 ml cartridge 50 lb. pail 550 lb. drum	Black	High adhesion, instant seal	0.250	35	-65°F to 500°F (-54°C to 260°C)	Moisture	Tack-Free – 20 min. Full Cure – 24 hrs.	1.34	A 35	550	200	CFIA Listed, NSF P1
	38535 36923	300 ml cartridge 50 lb. pail	Black	High adhesion, fast cure depth	0.240	350	-65°F to 500°F (-54°C to 260°C)	Moisture	Tack-Free – 20 min. Full Cure – 24 hrs.	1.30	A 39	345	270	CFIA Listed
<b>SI 5905™</b>	40969	300 ml cartridge	White											
	21746 21747 21748	300 ml cartridge 50 lb. pail 550 lb. drum	Black	High adhesion	0.240	600	-65°F to 500°F (-54°C to 260°C)	Moisture	Tack-Free – 20 min. Full Cure – 24 hrs.	1.34	A 30	550	200	CFIA Listed
<b>SI 5970™</b>	39246 35230	300 ml cartridge 50 lb. pail	Black	Oil/water resistance	0.240	60	-40°F to 450°F (-40°C to 232°C)	Moisture	Tack-Free – 25 min. Full Cure – 24 hrs.	1.41	A 44	>200	278	N/A
	21744 28298 20170	300 ml cartridge 50 lb. pail 550 lb. drum	Grey	Oil/water resistant, instant seal	0.240	105	-75°F to 625°F (-59°C to 329°C)	Moisture	Tack-Free – 10 min. Full Cure – 24 hrs.	1.45	A 60	175	500	N/A
<b>SI 5045™</b>	40409 40408	3 oz. tube 300 ml cartridge	Clear	Military, high tensile	0.250 in.	40	-65°F to 400°F (-54°C to 204°C)	Moisture	Tack-Free – 1.5 hrs. Full Cure – 24 hrs.	1.14	A 25	>500	>493	MIL-A-46146B

= Indicates Worldwide Availability

\* Varies with substrates. \*\* Uncarded tubes, sold as full cases of 100 pieces. † Grit-blasted steel.

## LOCTITE® Gasketing Properties Chart

	LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	CONSISTENCY	OIL RESISTANCE	TEMPERATURE RANGE (INTERMITTENT)	SEALING TIME	AGENCY APPROVALS
POLYACRYLATE	<b>AA 5810A™</b>	39211 39210	300 ml cartridge 50 lb. pail	Black	Paste	Excellent oil resistance	-40°F to 300°F (-40°C to 150°C)	Tack-Free – 190 min.	N/A
SUPERFLEX® RTV SILICONES	<b>SI 5015™ BLUE</b>	30560 30533 30518	80 ml tube 300 ml cartridge 12 oz. tube	Blue Blue Blue	Paste	N/A	-65°F to 500°F (-54°C to 260°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	N/A
	<b>SI 5019™ BLUE</b>	40482	190 ml can	Blue					
	<b>SI GREEN RTV SILICONE</b>	1165866	190 ml can	Equipment Green					
	<b>SI 596™ RD</b>	59630 59675 82279 40465	80 ml tube 300 ml cartridge 12 oz. tube 190 ml can	Red	Paste	N/A	-75°F to 600°F (-59°C to 316°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	CFIA Listed
NONCORROSIVE	<b>SI 5011™ CLEAR</b>	51387 51388	80 ml tube 300 ml cartridge	Clear	Paste	Oil resistant	-75°F to 500°F (-59°C to 260°C)	Tack-Free – 25 min. Full Strength – 24 hrs.	N/A
HIGH TEMPERATURE SILICONE	<b>SI 5109™ RD</b>	19163 1162399	300 ml cartridge 4.5 gallon pail	Red	Paste	N/A	Up to 600°F (316°C)	Tack-Free – 30 min. Full Strength – 24 hrs.	N/A

## LOCTITE® Elastomeric Gasketing Attributes & Applications Chart

	LOCTITE® PRODUCT	MAIN ATTRIBUTES	APPLICATIONS
GASKETING SILICONES	<b>INSTANT GASKET</b>	Instant seal and blowout resistance, replaces most cut gaskets, low odor, sensor-safe	Timing gear and valve covers, water pumps, gearboxes, transmission pans
	<b>SI 598™ BLACK</b>	Forms a tough, flexible silicone rubber gasket	Oil pans, valve covers, timing gear covers, differential covers
	<b>SI 587™ BLUE</b>	Plant maintenance and small-to-large-sized OEMs	Typical automotive gasketing applications
	<b>SI 5699™ GREY</b>	Excellent oil resistance	Rigid flange sealing of transmissions and cast metal housings
	<b>SI 5920™ COPPER</b>	Fills voids in surfaces for a positive seal	Adheres to most surfaces
	<b>SI 5905™ BLACK</b>	Fast cure, excellent fluid resistance	Large gap applications, flange flexing
	<b>SI 5015™ BLUE</b>	Forms a tough, flexible silicone rubber gasket, oxygen sensor-safe	Typical automotive gasketing applications
	<b>SI 596™ RD</b>	Plant maintenance and small-to-large-sized OEMs low silicone volatiles	Automotive gasketing, industrial furnaces, boilers, ducting
	<b>SI 5011™ CLEAR</b>	Resists steam, chemical and UV ozone exposure	Adheres to most surfaces

ITEMS IN RED = Source's PICK or NEW