



Elastomeric Gasketing & Sealing

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Gasketing & Sealing

Your Application

- Excellent fluid resistance
- Formulations for high operating temperatures available
- UV-curing formulations for cure-in-place production requirements
- Suited best for large-gap applications and stamped metal assemblies, where flange flexing occurs

ARE YOU GASKETING OR SEALING?

Gasketing

Fast Cure

High Fluid Resistance

One-Part

Light Cure

Rigid for High Torque

Normal Hardness

Solution

**SI 5900®
Instant Gasket**

SI 5050™

SI 5699™

AA 5810A™

Color	Black	Translucent	Grey	Black
Viscosity	Paste	Paste	Paste	Paste
Temperature Range	-75°F to 500°F (-59°C to 260°C)	Up to 300°F (149°C)	-75°F to 625°F (-59°C to 329°C)	-40°F to 300°F (-40°C to 150°C)
Oil Resistance	Increased Oil Resistance	N/A	Increased Oil Resistance	Excellent Oil Resistance
Agency Approvals	CFIA Listed	N/A	CFIA Listed	N/A

Product Description

LOCTITE® SI 5900® Instant Gasket

Makes high performance, leakproof gaskets in one minute. Equipment can be returned to service immediately. Blowout resistant. Outperforms precut gaskets.

P/N	Package Size
30509	5 fl. oz. cartridge
40479	190 ml aerosol can
40478	90 ml aerosol can
20176	300 ml cartridge Uses nozzle #870981

LOCTITE® SI 5050™ Silicone Adhesive Sealant

A UV light curing silicone for high speed adhesion, gasketing and sealing applications. High adhesion for difficult-to-bond substrates.

P/N	Package Size
1212165	40 lb. pail

LOCTITE® SI 5699™ Grey, High Performance RTV Silicone Gasket Maker

For rigid flange assemblies. Excellent fluid resistance. Easy to dispense, noncorrosive, low odor, low volatility. Grey in color.

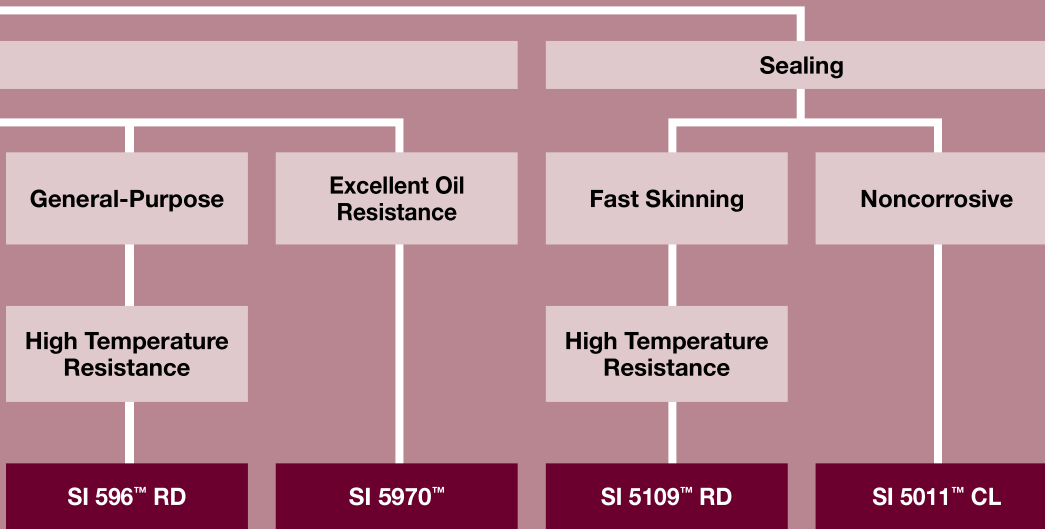
P/N	Package Size
18718	70 ml tube
18581	300 ml cartridge Uses nozzle #870981
18582	50 lb. pail
18583	550 lb. drum
40505	190 ml aerosol can

LOCTITE® AA 5810A™ Sealant

Single-component, non-silicone polyacrylate-based adhesive/sealant. Excellent oil resistance.

P/N	Package Size
39211	300 ml cartridge
39210	50 lb. pail

* Made-to-order item.



Red	Black	Red	Clear
Paste	N/A	Paste	Paste
-75°F to 600°F (-59°C to 316°C)	-40°F to 450°F (-40°C to 232°C)	Up to 600°F (316°C)	-75°F to 500°F (-59°C to 316°C)
N/A	Oil/Water Resistant	N/A	Oil Resistant
CFIA Listed	N/A	N/A	N/A

**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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LOCTITE® PRODUCT		ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	CONSISTENCY	OIL RESISTANCE	TEMPERATURE RANGE (INTERMITTENT)	SEALING TIME	AGENCY APPROVALS	
SEALING / FORMED-IN-PLACE	NONCORROSIVE	SI 598™ BLACK	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
		SI 587™ BLUE	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
		SI 5699™ GREY	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
		SI 5920™ COPPER	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	
FORMED-IN-PLACE	SI 5620™	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	
		Part A - 1257595 Part B - 1257597	40 lb. pail 40 lb. pail												
		Part A - 1257594 Part B - 1257596	400 lb. drum 400 lb. drum												
		Part A - 1257595 Part B - 1257597	40 lb. pail 40 lb. pail												
	SI 5900®	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
SI 5905™	40969	300 ml cartridge	White												
	SI 5910®	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
SI 5970™	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	
	SI 5999™	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
SI 5045™		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	AA 5810A™	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	SI 5015™ BLUE	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
	SI 5019™ BLUE	40482	190 ml can	Blue					
	SI GREEN RTV SILICONE	1165866	190 ml can	Equipment Green					
	SI 596™ RD	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	SI 5011™ CLEAR	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	SI 5109™ RD	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	INSTANT GASKET	Instant seal and blowout resistance, replaces most cut gaskets, low odor, sensor-safe	Timing gear and valve covers, water pumps, gearboxes, transmission pans
	SI 598™ BLACK	Forms a tough, flexible silicone rubber gasket	Oil pans, valve covers, timing gear covers, differential covers
	SI 587™ BLUE	Plant maintenance and small-to-large-sized OEMs	Typical automotive gasketing applications
	SI 5699™ GREY	Excellent oil resistance	Rigid flange sealing of transmissions and cast metal housings
	SI 5920™ COPPER	Fills voids in surfaces for a positive seal	Adheres to most surfaces
	SI 5905™ BLACK	Fast cure, excellent fluid resistance	Large gap applications, flange flexing
	SI 5015™ BLUE	Forms a tough, flexible silicone rubber gasket, oxygen sensor-safe	Typical automotive gasketing applications
	SI 596™ RD	Plant maintenance and small-to-large-sized OEMs low silicone volatiles	Automotive gasketing, industrial furnaces, boilers, ducting
SI 5011™ CLEAR	Resists steam, chemical and UV ozone exposure	Adheres to most surfaces	

ITEMS IN RED = Source's PICK or NEW

Elastomeric Gasketing & Sealing



LOCTITE® Cured-in-Place Silicone Gasketing Properties Chart

LOCTITE® PRODUCT	ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	CONSISTENCY	EXTRUSION RATE (g/min.)	CURE METHOD	CURE SPEED*	SHORE HARDNESS	% ELONGATION	TENSILE STRENGTH (psi†)	AGENCY APPROVALS
SI 5039™	40438 40439	300 ml cartridge 40 lb. pail	Translucent/ Colorless/ Fluorescent	Paste	222	UV or Visible/ Moisture	30 sec. @ 120 mW/cm ²	A 40	210	290	N/A
SI 5050™	1212165	40 lb. pail	Translucent	Paste	500	Ultraviolet	Ultraviolet	A 45	260	421	N/A
SI 5950™	29287 18495	300 ml cartridge 40 lb. pail	Black	Paste	350	UV/Moisture	30 sec. @ 120 mW/cm ²	A 27	200	150	N/A
SI 5964™	34347	50 lb. pail	Brown	Paste	120	Heat/ Microwave	10 min. @ 302°F (150°C) VFM 2 to 4 min.	A 28	530	635	N/A
SI 3407™	35173	30 ml syringe	Black	Paste	5	Heat	60 min. @ 302°F (150°C)	A 38	>600	>493	N/A

ITEMS IN RED = Source's PICK or NEW

* Varies with substrates.

† Grit-blasted steel.

 = Indicates Worldwide Availability

WANGDEX

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LOCTITE® Manual Cartridge Applicators

This applicator has a revolving barrel frame that rotates to allow for easy application of materials around corners. The one-piece sintered friction catch plate has extra durability and higher precision when compared to models with two-piece friction catch plate with plastic inserts.

Description:

- High mechanical advantage 26:1 ratio
- 300 ml cartridges
- Medium to high viscosity range



Easy-to-Dispense Aerosol Can Systems for LOCTITE® Silicones

Several LOCTITE® silicones are now available in the most advanced system for dispensing silicones. This new package offers effortless fingertip control, easy-to-use (even upside down), and accurate dispensing while eliminating the waste, mess, and caulking guns needed for other silicone dispense systems.

Item #	40479	190 ml	SI 5900® Black
	40478	90 ml	SI 5900® Black
	40505	190 ml	SI 5699™ Grey
	40462	190 ml	SI 587™ Blue
	40463	190 ml	SI 598™ Black
	40465	190 ml	SI 596™ Red
	40481	190 ml	SI 595™ Clear
	40466	190 ml	SI 594™ White
	40464	190 ml	SI 593™ Black
	40482	190 ml	SI 5019™ Blue
	1165866	190 ml	SI Green RTV



ADDITIONAL RESOURCES