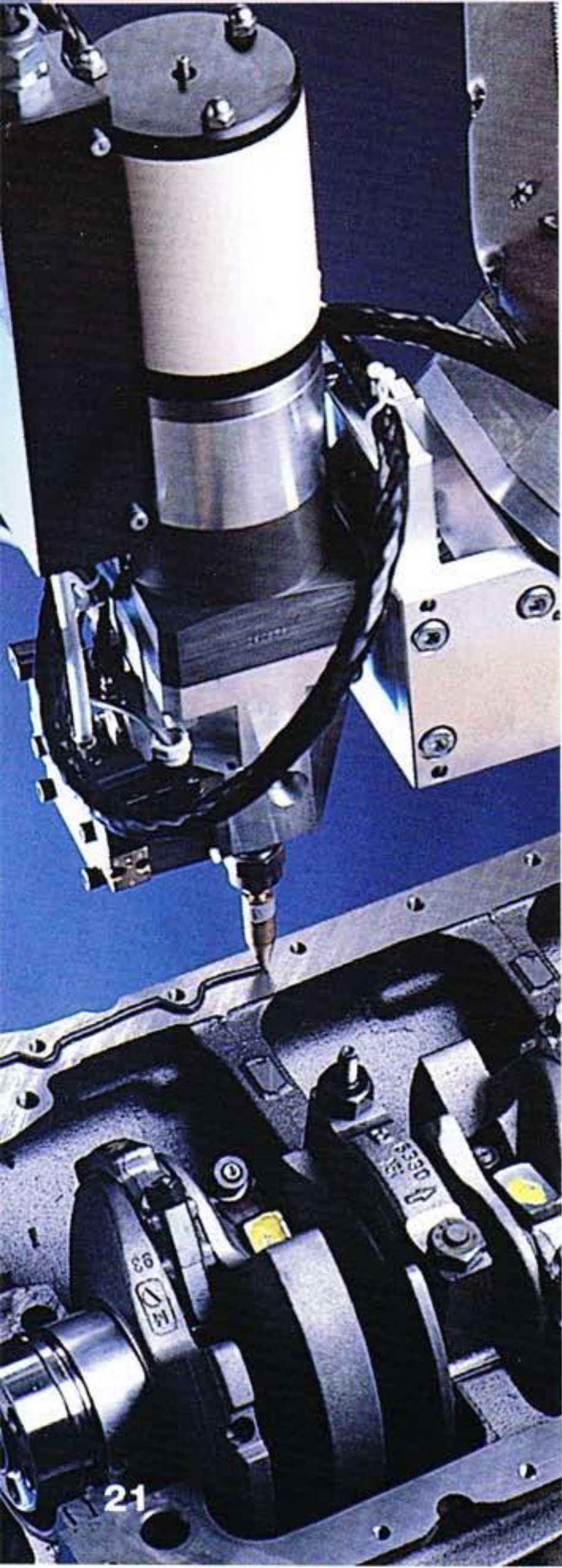


Gasketing – Silicone

Loctite® brand silicone gasketing materials include unique products with excellent fluid resistance, formulations for high operating temperatures, and UV-curing formulations for cure-in-place production requirements. Silicone gasketing products are best suited for large gap applications and stamped metal assemblies where flange flexing occurs.



FORMED-IN-PLACE

LOCTITE® 5045™ FLANGE SEALANT

Non-corrosive, Alkoxy Silicone

RTV paste, excellent for
adhesion, sealing and
gasketing applications.

NEW

LOCTITE® 5699™ FLANGE SEALANT

*Grey High Performance
RTV Silicone Gasket Maker*

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

LOCTITE® 5900® FLANGE SEALANT

Heavy Body RTV Silicone

Superior flexibility and adhesion.
Provides instant seal. Excellent fluid
resistance. Non-corrosive, low odor,
low volatility. Black in color.

LOCTITE® 5905™ FLANGE SEALANT

RTV Silicone

Superior flexibility and
adhesion, fast depth of cure.
Offers excellent fluid resistance.

NEW

LOCTITE® 5910® FLANGE SEALANT

RTV Silicone

Superior flexibility and
adhesion. Excellent fluid resistance.
Medium body is easy to dispense.
Non-corrosive, low odor, low
volatility. Black in color.

LOCTITE® 5920™ FLANGE SEALANT

*Copper High Performance
RTV Silicone Gasket Maker*

High performance for rigid
flange assemblies. Low volatility.
Copper in color.

LOCTITE® 5999™ FLANGE SEALANT

*Heavy Body/Grey High Performance
RTV Silicone Gasket Maker*

For rigid flange assemblies.
Provides instant seal. Excellent
fluid resistance. Non-corrosive, low
odor, low volatility. Grey in color.

CURED-IN-PLACE

LOCTITE® 5039™ NUVA-SIL® SILICONE ADHESIVE SEALANT

NEW

Designed for automated assembly.
Rapid, 30 second, UV or visible light
cure permits in-line processing.
Secondary moisture cure insures
full cure even in shadowed areas.
Translucent in color.

LOCTITE® 5950™/5951™ FASTGASKET® FLANGE SEALANT

Designed for automated assembly.
Rapid, 30 second, UV cure permits
in-line processing. Secondary
moisture cure insures full cure
even in shadowed areas.
Black/clear in color.

LOCTITE® 5960™ FASTGASKET® FLANGE SEALANT

Designed for automated assembly.
Rapid, 30 second, UV cure permits
in-line processing. Fluid resistant.
Clear in color.

LOCTITE® 5963™ PROCURE® CURE-IN-PLACE GASKET

Heat Cure Compression

Superior compression set resistance.
One-component, exceptional fluid
resistance, and heat resistance to
150°C. Great for powertrain
applications. Grey in color.

LOCTITE® 5964™ PROCURE® CURE-IN-PLACE GASKET

Heat Cure Compression

Soft, with greater elongation. Cures
with either convection heat or
microwave. One-component, good
compression set for powertrain
applications. Brown in color.

Loctite® Brand Silicone Gasketing Properties Charts

PRODUCT			TYPICAL USE	COLOR	GAP FILL	EXTRUSION RATE (g/min.)	TEMPERATURE RANGE (INTERMITTENT)	CURE METHOD	CURE SPEED*	SPECIFIC GRAVITY	DUROMETER**	% ELONGATION	TENSILE STRENGTH (PSI†)	AGENCY APPROVALS	
Item Number	Container														
FORMED-IN-PLACE	5045™	40409 40408 40724	3 oz. tube 300 ml cartridge 40 lb. pail	Military, high tensile	Clear	0.250"	40	-65°F to 400°F	Moisture	Tack Free – 1.5 hours Full Cure – 24 hours	1.14	25	>500	>493	MIL-A-46146B
	5699™	18718 18581 18582 18583	70 ml tube 300 ml cartridge 50 lb. pail 550 lb. drum	Oil/water resistant	Grey	0.250"	250	-75°F to 625°F	Moisture	Tack Free – 30 minutes Full Cure – 24 hours	1.45	55	160	435	CFIA
	5900®	20166 21067 20168	300 ml cartridge 50 lb. pail 550 lb. drum	High adhesion, instant seal	Black	0.250"	35	-65°F to 500°F	Moisture	Tack Free – 20 minutes Full Cure – 24 hours	1.34	35	550	200	CFIA, NSF P1
	5905™	38535 36923	300 ml cartridge 50 lb. pail	High adhesion, fast depth of cure	Black	0.240"	350	-65°F to 500°F	Moisture	Tack Free – 20 minutes Full Cure – 24 hours	1.30	39	345	270	CFIA
	5910®	21746 21747 21748	300 ml cartridge 50 lb. pail 550 lb. drum	High adhesion	Black	0.240"	600	-65°F to 500°F	Moisture	Tack Free – 20 minutes Full Cure – 24 hours	1.34	30	550	200	CFIA
	5920™	30542 82046 21472	70 ml tube 300 ml cartridge 40 lb. pail	High temperature	Copper	0.240"	>300	-65°F to 700°F	Moisture	Tack Free – 60 minutes Full Cure – 24 hours	1.05	31	355	275	CFIA
	5999™	21744 28298 20170	300 ml cartridge 50 lb. pail 550 lb. drum	Oil/water resistant, instant seal	Grey	0.240"	105	-75°F to 625°F	Moisture	Tack Free – 10 minutes Full Cure – 24 hours	1.45	60	175	500	N/A

PRODUCT			COLOR	EXTRUSION RATE (g/min.)	CURE METHOD	CURE SPEED*	HARDNESS	% ELONGATION	TENSILE STRENGTH (PSI†)	AGENCY APPROVALS	
Item Number	Container										
CURED-IN-PLACE SILICONES	5039™ Nuva-Sil®	40438 40439	300 ml cartridge 40 lb. pail	Translucent/ Colorless/ Fluorescent	222	UV or Visible/ Moisture	30 seconds @ 120 mW/cm ²	37	210	290	N/A
	5950™ Fastgasket®	29287 18495	300 ml cartridge 40 lb. pail	Black	350	UV/Moisture	30 seconds @ 120 mW/cm ²	30	200	150	UL Classified for U.S.
	5951™ Fastgasket®	18198	40 lb. pail	Clear	350	UV/Moisture	30 seconds @ 120 mW/cm ²	30	200	150	N/A
	5960™ Fastgasket®	31132 24707	300 ml cartridge 40 lb. pail	Clear	350	UV	30 seconds @ 120 mW/cm ²	50	260	600	N/A
	5963™ Procure®	34337	50 lb. pail	Grey	250	Heat	10 minutes @ 150°C	50	360	620	N/A
	5964™ Procure®	34348 34347	300 ml cartridge 50 lb. pail	Brown	120	Heat/ Microwave	10 minutes @ 150°C VFM 2-4 minutes	32	530	635	N/A
	3407™ OptiLOC®	35173	30 ml syringe	Black	5	Heat	60 minutes @ 150°C	33	>600	>493	N/A



Indicates worldwide availability.

* Varies with substrates.

** Shore A.

† Grit blasted steel.