



**LOCTITE® GASKET SEALANT 1 –
HARD SETTING**

Reliable, paste-like gasket sealant/
dressing/coating. Dries quickly to a hard
set. Recommended for rigid, permanent
assemblies. Temperature range: -65°F to
400°F (-54°C to 204°C); resists common
shop fluids and fuels.

Typical Applications: Anti-freeze plugs,
threaded connections, manifold gaskets.

Item	Container Size	Pack
37541	1.5 oz. tube	12
37542	3 oz. tube	12



**LOCTITE® HI-TACK GASKET SEALANT
– GASKET DRESSING**

Fast-drying sealant dries to a highly tacky,
non-brittle film that holds gaskets in
place during assembly. Temperature
range: -65°F to 500°F (-54°C to 260°C);
resists gasoline, oil, antifreeze, axle lube.

Typical Applications: Valve covers, fuel
pumps, carburetors, manifold gaskets.

Item	Container Size	Pack
37554	4 oz. brushtop can	12
37555	9 oz. aerosol can	12
37553	16 oz. brushtop can	12



**LOCTITE® GASKET SEALANT 2 –
NON-HARDENING**

Reliable, paste-like gasket sealant/
dressing/coating. Sets more slowly to
a pliable film. Best suited for non-rigid,
vibrating assemblies. Allows for easy
disassembly if required. Temperature
range: -65°F to 400°F (-54°C to 204°C);
resists common shop fluids and fuels.

Typical Applications: Valve cover gaskets,
oil pan gaskets.

Item	Container Size	Pack
37543	1.5 oz. tube	12
37544	3 oz. tube	12



**LOCTITE® COPPER GASKET ADHESIVE
– HI-TEMP ADHESIVE SEALANT**

Fast-drying, metallic copper sealant
helps dissipate heat, prevents gasket
burnout and improves heat transfer.
Seals instantly. Fills hot spots and surface
imperfections. Temperature range: -50°F
to 500°F (-46°C to 260°C); resists all types
of automotive fluids, especially gasoline.

Typical Applications: Cylinder head
gaskets, carburetor gaskets, exhaust
manifold gaskets and other high
temperature applications.

Item	Container Size	Pack
37583	9 oz. aerosol can	12



**LOCTITE® AVIATION GASKET
SEALANT – GASKET DRESSING**

Slow-drying, non-hardening brushtop
sealant approved for use in aviation
as well as automotive applications.
Temperature range: -65°F to 400°F
(-54°C to 204°C); resists gasoline, oil
and grease.

Typical Applications: Close-fitting machined
surfaces, sealing hoses, solid gaskets.

Item	Container Size	Pack
37559	4 oz. brushtop can	12
37558	16 oz. brushtop can	12



Gasketing Selector Charts

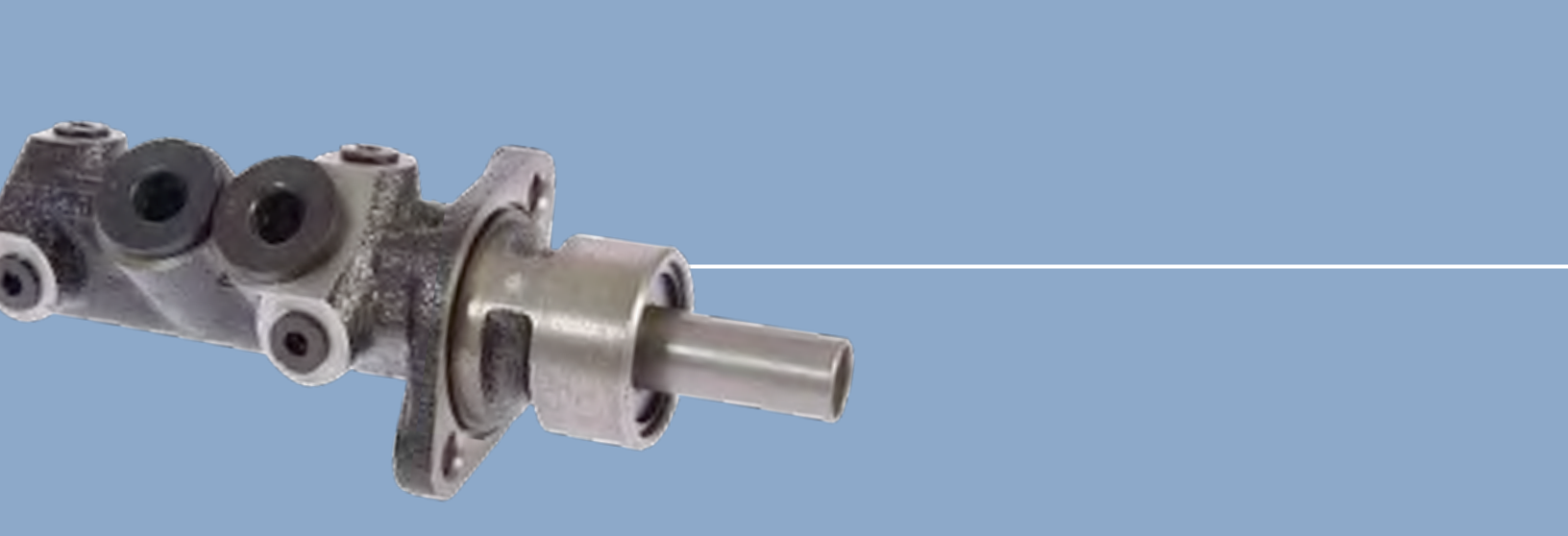
GENERAL COMPARISON	GASKET TYPE		
	Conventional Gasket Dressings	Formed-in-Place Anaerobics	Formed-in-Place Silicones
BENEFITS	Versatile, immediate green strength (sticky)	Improved structural strength, long open time, high pressure seal	High gap filling, resistant to dynamic fatigue, on-line pressure testing
LIMITATIONS	Non-curing, limited gap fill, % shrinkage	Limited fill	Short open time
PROCESS CONSIDERATIONS	GASKET TYPE		
	Conventional Gasket Dressings	Formed-In-Place Anaerobics	Formed-In-Place Silicones
NUMBER OF COMPONENTS	1	1	1
CURE METHOD	Not Applicable	Anaerobic	RTV
CURE TEMPERATURE	Room Temperature	Room Temperature	Room Temperature
CURE SPEED			
Initial Cure	Immediate	15 to 30 minutes	15 to 30 minutes
Full Cure	Not Applicable	24 to 72 hours	1 to 7 days
PROCESSING OPTIONS			
Manual	Yes	Yes	Yes
Automated	No	Yes	Yes

PERFORMANCE CONSIDERATIONS	GASKET TYPE		
	Conventional Gasket Dressings	Formed-in-Place Anaerobics	Formed-in-Place Silicones
TEMPERATURE RESISTANCE			
Continuous Operation	-65°F to 400°F (-54°C to 204°C)	-40°F to 300°F (-40°C to 149°C)	-60°F to 400°F (-51°C to 204°C)
Maximum	600°F (316°C)	400°F (204°C)	725°F (385°C)
FLUID RESISTANCE			
Oil	Yes	Yes	Yes
Water/Glycol	Yes	Yes	Yes
Fuel	Limited	Limited	No
Transmission Fluid	Yes	Yes	Yes
GAP FILL			
Ideal	0.001" to 0.005"	0.001" to 0.005"	0.001" to 0.125"
Maximum	0.010" (0.254 mm)	0.050" (1.27 mm)	0.240" (6.096 mm)
INSTANT SEAL	High Pressure	Low Pressure	Low Pressure
FLANGE TYPE	Rigid or Flexible	Rigid	Rigid or Flexible
SUITABLE FOR USE WITH:			
Metals	Yes	Yes	Yes
Plastics*	Yes	No	Yes

Properties Chart: Gasketing

LOCTITE® PRODUCT	Part Number	Container	Color	Viscosity (cP)	Temperature Range	Sealing Time	Agency Approvals
515™	38655	50 ml tube	Purple	275,000/950,000 Thixotropic paste	-65° to 300°F (-54°C to 149°C)	15 min-2 hrs. w/primer 1-12 hrs. w/o primer	UL Classified for U.S.
518™	37394 37530	50 ml tube 300 ml cartridge	Red	800,000/3,750,000 Thixotropic paste	-65° to 300°F (-54°C to 149°C)	30 min-4 hrs. w/primer 4-24 hrs. w/o primer	CFIA
Hi-Tack Stick	39158	19 g stick	Purple	Vertical applications, repositionable	-65° to 300°F (-54°C to 149°C)	5 minutes to set	•

* Uncured liquid adhesives may cause stress cracking of certain thermoplastics (e.g., polycarbons, acrylic and polysulfone).






Properties Chart: Gasketing

LOCTITE® PRODUCT	Part Number	Container	Color	Oil Resistance	Non-Corrosive	Temperature Range	Sealing Time	Agency Approvals
Ready Gasket	37511 37512 40480 37510	4 oz. can 5 oz. cartridge 190 ml power can aerosol 7 oz. can	Black	Increased oil resistance	Non-corrosive	-75° to 500°F (-59° to 260°C) intermittent	Operating Strength 15 psi - 1 min.	GM 998-5990 Ford WSE-M4G 323-A6 Chrysler GF-44-A
RTV Blue Silicone	37461 40482 37525	80 ml tube 190 ml power can aerosol 300 ml cartridge	Blue	•	•	-65° to 500°F (-54° to 260°C) intermittent	Tack-free 30 min. — Full Strength 24 hrs.	•
RTV Red Silicone	37469 37529 40465 37528	80 ml tube 7.25 oz. can 190 ml power can aerosol 300 ml cartridge	Red	•	•	-75° to 600°F (-59° to 316°C) intermittent	Tack-free 30 min. — Full Strength 24 hrs.	CFIA
RTV 598™ Black Silicone	37472 37467 40463 37519 37518	0.37 oz. tube 80 ml tube 190 ml power can aerosol 8.75 oz. can 300 ml cartridge	Black	Excellent oil resistance	Non-corrosive	-75° to 625°F (-59° to 329°C) intermittent	Tack-free 30 min. — Full Strength 24 hrs.	American Bureau of Shipping, CFIA
RTV 587™ Blue Silicone	37465 40462 37516	80 ml tube 190 ml power can aerosol 300 ml cartridge	Blue	Increased oil resistance	Non-corrosive	-75° to 500°F (-59° to 260°C) intermittent	Tack-free 30 min. — Full Strength 24 hrs.	American Bureau of Shipping, UL Classified for U.S., CFIA
RTV 5920™ Copper Silicone	37466 37517	80 ml tube 300 ml cartridge	Copper	Increased oil resistance	Non-corrosive	-65° to 700°F (-54° to 371°C) intermittent	Tack-free 60 min. — Full Strength 24 hrs	CFIA
RTV 5699™ Grey Silicone	37464 40505	80 ml tube 190 ml power can aerosol	Grey	Increased oil resistance	Non-corrosive	-75° to 625°F (-59° to 329°C) intermittent	Tack-free 30 min. — Full Strength 24 hrs.	CFIA
Aviation Gasket Sealant	37559 37558	4 oz. brushtop can 16 oz. brushtop can	Dark reddish brown	Oil resistant	Non-corrosive	-65° to 400°F (-54° to 204°C)	Full Strength 12 hrs.	•
Gasket Sealant 1	37541 37542	1.5 oz. tube 3 oz. tube	Reddish brown	Oil resistant	Non-corrosive	-65° to 400°F (-54° to 204°C)	Full Strength 24 hrs.	•
Gasket Sealant 2	37543 37544	1.5 oz. tube 3 oz. tube	Black	Oil resistant	Non-corrosive	-65° to 400°F (-54° to 204°C)	Remains tacky	•
Hi-Tack Gasket Sealant	37554 37555 37553	4 oz. brushtop can 9 oz. aerosol 16 oz. brushtop can	Red	Increased oil resistance	Non-corrosive	-65° to 500°F (-54° to 260°C) Aerosol to 600°F	5 min. to set	•
Copper Gasket Adhesive	37583	9 oz. aerosol	Copper	Oil resistant	Non-corrosive	-50° to 500°F (-45° to 260°C)	Remains tacky	•

“ At speeds exceeding 190 mph, we can’t afford to have any leaks or loose fasteners on our cars. To survive the brutal stress and vibration that each race throws at us, we depend on Loctite® gasketing products to keep us on track.”

– Robert Yates



LOCTITE®

THERE IS NO SECOND CHOICE.

at 200 mph
there are no second choices.



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