

Anaerobic & RTV Gasketing & Sealing

LOCTITE® Rigid Assembly Gasketing Product Properties Chart

LOCTITE® PRODUCT													
ITEM NUMBER													
PACKAGE TYPE/SIZE													
COLOR													
TYPICAL USE													
GAP FILL (INCHES)													
CURED STATE													
VISCOSITY (cP)													
TEMPERATURE RANGE													
CURE SPEED													
RECOMMENDED PRIMER													
SPECIFIC GRAVITY													
AGENCY APPROVALS													
RIGID ASSEMBLY GASKETING PRODUCTS	510™ HIGH TEMPERATURE	51031 51041 51074	50 ml tube 250 ml tube 300 ml cartridge	Red	High temp. applications, excellent solvent resistance	Unprimed – 0.010 Primed – 0.020	Rigid	188,000/ 500,000 Thixotropic	-65°F to 400°F (-54°C to 204°C)	Unprimed – 4 to 24 hrs. Primed – 30 min. to 4 hrs.	SF 7088™, SF 7471™ or SF 7649™	1.16	N/A
	515™	51517 51531 51580	6 ml tube 50 ml tube 300 ml cartridge	Purple	For flexible applications	Unprimed – 0.010 Primed – 0.050	Flexible	275,000/ 950,000 Thixotropic	-65°F to 300°F (-54°C to 149°C)	Unprimed – 1 to 12 hrs. Primed – 15 min. to 2 hrs.	SF 7088™, SF 7471™ or SF 7649™	1.10	UL Classified for U.S.
	518™	2102974 2102986 2096062 2096064 2096061	25 ml syringe 300 ml tube 6 ml tube 50 ml tube 300 ml cartridge	Red	For all metals, including aluminum flanges	Unprimed – 0.010 Primed – 0.050	Flexible	800,000/ 3,750,000 Thixotropic	-65°F to 300°F (-54°C to 149°C)	Unprimed – 4 to 24 hrs. Primed – 30 min. to 4 hrs.	SF 7088™, SF 7471™ or SF 7649™	1.13	NSF/ANSI 61, CFIA Listed
	549™	1661866	250 ml tube	Orange	Slow curing for extended assembly operations	Unprimed – 0.020 Primed – 0.050	Rigid	22,500	-65°F to 300°F (-54°C to 149°C)	Unprimed – 6 to 24 hrs. Primed – 2 to 24 hrs.	SF 7471™ or SF 7649™	1.25	N/A
	5127™	17430	300 ml cartridge	Blue	For flexible applications, high elongation	0.010	Flexible	100,000/ 500,000 Thixotropic	-65°F to 300°F (-54°C to 149°C)	Unprimed – 4 to 24 hrs. Primed – 1 to 24 hrs.	SF 7649™	1.10	N/A
HIGHLY FLEXIBLE	509™	21525	300 ml cartridge	Blue	Very flexible	Unprimed – 0.010 Primed – 0.020	Flexible	65,000/ 200,000 Thixotropic	-65°F to 300°F (-54°C to 149°C)	Unprimed – 6 to 48 hrs. Primed – 1 to 6 hrs.	SF 7088™, SF 7471™ or SF 7649™	1.12	N/A
	5188™	1241991 1253203	300 ml cartridge 50 ml tube	Red	Rigid metal flanges	0.005	Highly Flexible	14,000 - 32,000	-65°F to 300°F (-54°C to 149°C)	24 hrs. @ room temperature	SF 7649™	1.10	N/A

Information about SI 587™ and SI 598™ is in the chart on page 75.

LOCTITE® Sealing / Dressing for Existing Gasket Properties Chart

LOCTITE® PRODUCT												
		ITEM NUMBER	PACKAGE TYPE/SIZE	COLOR	TYPICAL USE	CONSISTENCY	VISCOSITY (cP)	TEMPERATURE RANGE	CURE SPEED	OIL RESISTANCE	AGENCY APPROVALS	
SEALING / DRESSINGS FOR EXISTING GASKETS	NONCORROSIVE	534™ HI-TACK GASKET DRESSING	39156	19 g stick	Purple	Vertical, repositionable	Semisolid	N/A	-65°F to 300°F (-54°C to 149°C)	5 minutes to set	Oil resistant	N/A
		MR GS1™ GASKET SEALANT	30510 30512	1.5 oz. tube 7 fl. oz. tube	Reddish-Brown	Fast dry, rigid cure	Paste	75,000/ 110,000	-65°F to 400°F (-54°C to 204°C)	Full strength – 24 hours	Oil resistant	CFIA Listed
		MR GS2™ GASKET SEALANT	30513 30514 30515 80964	1.5 oz. tube 3 oz. tube 7 fl. oz. tube 5 gallon can	Black	Slow drying, flexible cure	Paste	75,000/ 110,000	-65°F to 400°F (-54°C to 204°C)	Remains tacky	Oil resistant	N/A
		NS 5109™ GASKET MAKER	30558	7 fl. oz. tube	Black	High temperature	Paste	75,000/ 110,000	-50°F to 600°F (-45°C to 315°C)	3 to 5 hours to set	Oil resistant	CFIA Listed
		MR 5009™ HI-TACK GASKET SEALANT	1540591 30526	1 pint brush-top can 9 oz. net wt. aerosol	Red	Improved heat transfer, repositionable	Liquid	420/650	-65°F to 500°F (-54°C to 260°C) [aerosol to 600°F/316°C]	5 minutes to set	Increased oil resistance	N/A
		MR 5923™ GASKET DRESSING	1522029	1 pint brush can	Dark Reddish-Brown	Close tolerance, slow cure	Liquid	85/140	-65°F to 400°F (-54°C to 204°C)	Full strength – 12 hours	Oil resistant	CFIA Listed
		MR 7657™ COPPER GASKET ADHESIVE	30535	9 oz. net wt. aerosol	Copper	Improved heat transfer, fills surface imperfections	Aerosol	N/A	-50°F to 500°F (-45°C to 260°C)	Remains tacky	Oil resistant	N/A

LOCTITE® Primer Properties Chart

LOCTITE® PRODUCT	ITEM	PACKAGE TYPE & SIZE	COLOR	VISCOSITY (cP)	BASE	ON-PART LIFE	DRY TIME	APPLICATION	AGENCY APPROVALS
SF 7088™ PRIMER	1069258	17 g stick	Teal	Semisolid	No solvent	30 days	None	Anaerobics	N/A
SF 7090™ ACTIVATOR	19368 12695	1 fl. oz. bottle 1 liter bottle	Dark Blue	17.5	No solvent	1 hour	None	Anaerobics	N/A
SF 7471™ PRIMER	19267 22477 19268	1.75 fl. oz. glass bottle 4.5 oz. net wt. aerosol can 1 gallon can	Amber	2	Acetone/ Isopropanol	7 days	30 to 70 seconds	Anaerobics	MIL-S-22473E for existing designs, ASTM D-5363 for new designs
SF 7649™ PRIMER	19269 21347 21348 19266	1.75 fl. oz. glass bottle 25 g net wt. aerosol can 4.5 oz. net wt. aerosol can 1 gallon can	Clear/ Green	2	Acetone	30 days	30 to 70 seconds	Anaerobics	MIL-S-22473E for existing designs, ASTM D-5363 for new designs, NSF/ANSI 61, NSF P1, CFIA Listed

ITEMS IN RED = Source's PICK or NEW  = Indicates Worldwide Availability

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