

Loctite® Liquid Threadlockers

Properties Chart

	PRODUCT	Item Number	Package Type & Size	COLOR	TYPICAL USE	VISCOSITY (cP) †	TORQUE IN./LBS. (M10 STEEL NUTS & BOLTS) BREAK/PREVAL	TEMPERATURE RANGE	CURE SPEED (STEEL AT 25°C)	OIL TOLERANT	RECOMMENDED PRIMER	SPECIFIC GRAVITY	AGENCY APPROVALS
LOW STRENGTH	222™	21463 21464	10 ml bottle 50 ml bottle	Purple	Small screws under ¼"	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.05	N/A
	222MS™	22205 22221 22231 22241	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle	Purple	Easy removal, small screws under ¼"	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.05	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, CFIA
REMOVABLE STRENGTH	242°	24205 24221 24231 24241 24243	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Blue	Removable grade, up to ¼" to ¾" bolts	1,200 / 5,000 Thixotropic	110 / 43	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.07	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, ABS, CFIA
	243™	23977 24077 24078 24079 21433	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Blue	For ¼" to ¾" bolts with light oil contamination	2,250 / 12,000 Thixotropic	180 / 62	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.08	NSF/ANSI 61, CFIA
	246™	29513 29514 29515	10 ml bottle 50 ml bottle 250 ml bottle	Blue	High temperature, medium strength	2,600	170 / 48*	-65°F to 450°F	Fixture – 20 min. Full – 24 hrs.	Yes	7088™, N™ or T™	1.15	N/A
	QuickStix™ 248™	37684 37087	9 g stick 19 g stick	Blue	¼" to ¾" (6 mm to 20 mm)	Semisolid	110 / 43	-65°F to 300°F	Fixture – 10 min. (3 min. w/primer) Full – 24 hrs.	N/A	7088™, N™ or T™	1.10	NSF/ANSI 61, CFIA
	2033™	1029050	39 ml bottle	Blue-Green	For threads ¼" to 1" (6 mm to 25.4 mm)	Gel	142 / 62	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer) Full – 24 hrs.	N/A	7088™, N™ or T™	1.09	N/A
	2432™	25523	50 ml bottle	Blue	Low halogen, low sulfur, medium strength	300	150 / 53	-65°F to 300°F	Fixture – 30 min. Full – 24 hrs.	N/A	N/A	1.08	N/A
	2440™	33946 33947 33948	10 ml bottle 50 ml bottle 250 ml bottle	Blue	Primerless, medium strength	1,800 / 6,800 Thixotropic	215 / 53*	-65°F to 300°F	Fixture – 3 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.10	N/A
HIGH STRENGTH	262™	26205 26221 26231 26241 26243	0.5 ml capsule 10 ml tube 50 ml bottle 250 ml bottle 1 liter bottle	Red	High strength locking, up to ¾" bolts	1,800 / 5,000 Thixotropic	189 / 275	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.05	MIL-S-46163A for existing designs, ASTM D-5363**, NSF P1, ABS, CFIA
	266™	26772 26773 26774	10 ml bottle 50 ml bottle 250 ml bottle	Red-Orange	High strength, high temperature	3,750 to 9,000	270 / 75	-65°F to 450°F	Fixture – 10 min. Full – 24 hrs.	Yes	7088™, N™ or T™	1.19	CFIA
	QuickStix™ 268™	37685 37686	9 g stick 19 g stick	Red	Up to ¾" (Up to 20 mm)	Semisolid	202 / 34	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer) Full – 24 hrs.	N/A	7088™ or N™	1.06	CFIA
	271™	27105 27121 27131 27141 27143	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	High strength for fasteners up to 1" diameter	500	250 / 275	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.10	MIL-S-46163A for existing designs, ASTM D-5363**, UL Classified for U.S., CFIA
	272™	27240 27270 27285	50 ml bottle 250 ml bottle 1 liter bottle	Red	High temperature applications	9,500	200 / 220	-65°F to 450°F	Fixture – 30 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.11	CFIA
	277™	21434 27731 27741 27743	10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	High strength for large bolts	7,000	275 / 275	-65°F to 300°F	Fixture – 60 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.12	MIL-S-46163A for existing designs, ASTM D-5363**
	2760™	32526 32525 32527 32528	10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Red	Primerless, high strength	2,900 / 10,000 Thixotropic	325 / 320*	-65°F to 300°F	Fixture – 4 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.15	CFIA
WICKING	220™	37388 39186 22041	10 ml bottle 50 ml bottle 250 ml bottle	Blue	Wicking grade for small, pre-assembled fasteners under ¼"	20	85 / 170	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	No	7088™, N™ or T™	1.08	MIL-S-46163A for existing designs, ASTM D-5363**, CFIA
	290™	29005 29021 29031 29041 29043	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle 1 liter bottle	Green	Wicking grade for pre-assembled parts	12	85 / 250	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	N/A	7088™, N™ or T™	1.08	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, CFIA
	294™	27934 27935 27936 27937	0.5 ml capsule 10 ml bottle 50 ml bottle 250 ml bottle	Green	High temperature, wicking grade	34	289 / 237	-65°F to 450°F	Fixture – 6 min. Full – 24 hrs.	Yes	7088™, N™ or T™	1.13	N/A
PLASTIC	425™ Assure™	42540 42561	20 g bottle 1 lb. bottle	Blue	For small metal and plastic fasteners and tamper-proofing	80	4 / 2	-65°F to 180°F	Fixture – 1.5 min. Full – 24 hrs.	N/A	N/A	1.10	N/A
GEL	Tight®	51604 51642	50 ml tube 250 ml tube	Blue	⅛" to 1 ½" (3.175 mm to 38.1 mm)	Gel	90 / 40	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer) Full – 24 hrs.	N/A	7088™ or N™	1.15	N/A
PRIMERS	7088™ QuickStix™ Primer	1069258	17 g stick		7649™ Primer N™	19269 38402 21347 21348 19266	1.75 fl. oz. glass bottle 1.75 fl. oz. aluminum bottle 25 g net wt. aerosol 4.5 oz. net wt. aerosol 1 gallon can				MIL-S-46163A for existing designs, ASTM D-5363 †, NSF/ANSI 61, NSF P1, CFIA		

* Breakloose value. † Brookfield RVT spindle 3.20 RPM/25 RPM. ** For new designs.  Indicates worldwide availability.  Indicates TOP CHOICE products.