

Loctite® Liquid Threadlockers Properties Chart

PRODUCT	Item Number	Package Type & Size	COLOR	TYPICAL USE	VISCOSITY (cP) †	TORQUE IN./LBS. (M10 STEEL NUTS & BOLTS) BREAK/PREWAIL	TEMPERATURE RANGE	CURE SPEED (STEEL AT 25°C)	OIL TOLERANT	RECOMMENDED PRIMER	SPECIFIC GRAVITY	AGENCY APPROVALS	
LOW STRENGTH	222™	21463 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 0.5 ml capsule 22221 10 ml bottle 22231 50 ml bottle 22241 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 10 ml bottle 24221 50 ml bottle 24231 250 ml bottle 24241 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 0.5 ml capsule 24077 10 ml bottle 24078 50 ml bottle 24079 250 ml bottle 21433 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 10 ml bottle 29514 50 ml bottle 29515 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 9 g stick 37087 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 10 ml bottle 33947 50 ml bottle 33948 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 0.5 ml capsule 26221 10 ml tube 26231 50 ml bottle 26241 250 ml bottle 26243 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 10 ml bottle 26773 50 ml bottle 26774 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 9 g stick 37686 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 0.5 ml capsule 27121 10 ml bottle 27131 50 ml bottle 27141 250 ml bottle 27143 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 50 ml bottle 27270 250 ml bottle 27285 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 10 ml bottle 27731 50 ml bottle 27741 250 ml bottle 27743 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 10 ml bottle 32525 50 ml bottle 32527 250 ml bottle 32528 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 10 ml bottle 39186 50 ml bottle 22041 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 0.5 ml capsule 29021 10 ml bottle 29031 50 ml bottle 29041 250 ml bottle 29043 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 0.5 ml capsule 27935 10 ml bottle 27936 50 ml bottle 27937 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 20 g bottle 42561 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 50 ml tube 51642 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.