





















Loctite® Threadlocker Properties Chart

KEY FACTORS	KEY FEATURES	PRODUCT	ITEM NUMBER	PACKAGE TYPE & SIZE	COLOR	TYPICAL USE	VISCOSITY (cP)†	TORQUE‡ in.-lbs. (break/prevail)	TEMP. RANGE	CURE SPEED (STEEL @ 25°C)	AGENCY APPROVALS	
LOW STRENGTH	Small Fasteners	222™ 	21463	10 ml bottle	Purple	Small screws under 1/4"	1,200 / 5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	N/A	
			21464	50 ml bottle								
REMOVABLE STRENGTH	General Purpose/ Primerless	243™ 	1330255	0.5 ml capsule	Blue	Primerless, medium strength	1,300 / 3,000	106 / 26	-65°F to 360°F	Fixture – 5 min. Full – 24 hrs.	N/A	
			1329837	10 ml bottle								
	General Purpose Tape	QuickTape™ 249™ 	1372603	260" Roll	Blue	Removable strength, 1/4" to > 2", pre-applied	Tape	74/47	-65°F to 300°F	Fixture – 30 min. Full – 24 hrs.	N/A	
			37684	9 g stick	Blue	1/4" to 3/4" bolts, overhead, pre-dispensed, hard-to-reach areas	Semisolid	110* / 43	-65°F to 300°F	Fixture – 10 min. (3 min. w/primer) Full – 24 hrs.	CFIA	
	37087	19 g stick										
	High Temperature	246™		29513	10 ml bottle	Blue	High temperature, medium strength	2,600	170* / 48	-65°F to 450°F	Fixture – 20 min. Full – 24 hrs.	N/A
				29514	50 ml bottle							
Ultra-High Temperature	2422™		1134601	30 g syringe	Blue	Ultra-high temperature, medium strength for 1/2" to 3/4" bolts	Paste	102 / 12	-65°F to 650°F	Fixture – 90 min. Full – 24 hrs.	N/A	
			1134602	300 g cartridge								
Low Odor	2423™		1134871	50 ml bottle	Blue	Confined spaces / sensitive areas for bolts 1/4" to 3/4"	1,600 Thixotropic	102 / 18	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	N/A	
HIGH STRENGTH	General Purpose / Primerless	263™ 	1330582	0.5 ml capsule	Red	Primerless, high strength	400 / 600	275 / 290	-65°F to 360°F	Fixture – 10 min. Full – 24 hrs.	N/A	
			1330583	10 ml bottle								
	General Purpose Semisolid Stick	QuickStix™ 268™		37685	9 g stick	Red	Up to 3/4" bolts, overhead, pre-dispensed, hard-to-reach areas	Semisolid	220* / 34	-65°F to 300°F	Fixture – 20 min. (5 min. w/primer) Full – 24 hrs.	CFIA
				37686	19 g stick							
	High Temperature	272™		27240	50 ml bottle	Red	High temperature applications	9,500	200 / 220	-65°F to 450°F	Fixture – 30 min. Full – 24 hrs.	CFIA
				27270	250 ml bottle							
Ultra-High Temperature	2620™		1138282	30 g syringe	Red	Ultra-high temperature, high strength for 1/2" to 3/4" bolts	Paste	161 / 10	-65°F to 650°F	Fixture – 30 min. Full – 24 hrs.	N/A	
			21434	10 ml bottle	Red	Large bolts > 7/8"	7,000	275 / 275	300°F	Fixture – 60 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**	
27731	50 ml bottle											
High Lubricity Large Bolts	2047™		1134607	50 ml bottle	Black	Large bolts > 7/8". High lubricity allows proper clamp load to be achieved	2,000 / 12,000 Thixotropic	204* / 35	300°F	Fixture – 90 min. Full – 24 hrs.	N/A	
			27741	250 ml bottle								
WICKING	Removable Strength	220™	37388	10 ml bottle	Blue	Wicking grade for small, pre-assembled fasteners under 1/4"	20	85 / 170	-65°F to 300°F	Fixture – 6 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, CFIA	
			39186	50 ml bottle								
	General Purpose	290™ 		29005	0.5 ml capsule	Green	Medium/high strength. Wicking grade for pre-assembled parts	12	90 / 260	-65°F to 300°F	Fixture – 20 min. Full – 24 hrs.	MIL-S-46163A for existing designs, ASTM D-5363**, NSF/ANSI 61, NSF P1, CFIA
29021				10 ml bottle								
High Temperature/ Oil Tolerant	294™		27934	0.5 ml capsule	Green	Medium/high strength, high temperature, wicking grade	34	289 / 237	-65°F to 450°F	Fixture – 6 min. Full – 24 hrs.	N/A	
			27935	10 ml bottle								
Plastic Fasteners	425™ Assure™		42540	20 g 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	
			42561	1 lb. bottle								
FOOD GRADE	Processing equipment that can contact food	2046™	1186840	12 ml syringe	Blue	Strengthening / coupling agent for joints on equipment	Gel	111 / 63	450°F	Gel Time – 20 min.	FDA 21 C.F.R. 175.300	
MIL-SPEC	Small Fasteners	222MS™	22205	0.5 ml capsule	Purple	Small screws under 1/4"	1,200/5,000 Thixotropic	53 / 30	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	MIL-S-46163A for existing designs. ASTM D-5363**, NSF P1, CFIA	
			22221	10 ml bottle								
	Removable Strength	242®		24205	0.5 ml capsule	Blue	1/4" to 3/4" bolts	1,200/5,000 Thixotropic	110 / 43	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	MIL-S-46163A for existing designs. ASTM D-5363**, NSF P1, ABS, CFIA
				24221	10 ml bottle							
High Strength	262™		26205	0.5 ml capsule	Red	Up to 3/4" bolts	1,800/5,000 Thixotropic	189 / 275	-65°F to 300°F	Fixture – 5 min. Full – 24 hrs.	MIL-S-46163A for existing designs. ASTM D-5363**, NSF P1, ABS, CFIA	
			26221	10 ml bottle								
Low Viscosity	271™		27105	0.5 ml capsule	Red	High strength for fasteners up to 1" diameter	500	250 / 275	-65°F to 300°F	Fixture – 10 min. Full – 24 hrs.	MIL-S-46163A for existing designs. ASTM D-5363**, UL Classified for U.S., CFIA	
			27121	10 ml bottle								
			27131	50 ml bottle								
			27141	250 ml bottle								

*Breakloose Value †See TDS for spindle and speed test measurement **For new designs  Top choice product

‡M10 and/or 3/8 x 16 steel fasteners  Worldwide availability

Loctite® Primers Properties Chart

	PRODUCT	ITEM NO.	PACKAGE TYPE & SIZE	PHYSICAL PROPERTY	ON-PART LIFE	DRY TIME	AGENCY APPROVALS
SOLVENT-BASED	7471™ Primer T™	19267	1.75 fl. oz. bottle	Liquid	7 days	30 to 70 seconds	MIL-S-22473E for existing designs, ASTM D-5363 for new designs
		22477	4.5 oz. net wt. aerosol can				
SOLVENT-LESS	7649™ Primer N™	19269	1.75 fl. oz. glass bottle	Liquid	30 days	30 to 70 seconds	MIL-S-22473E for existing designs, ASTM D-5363 for new designs, NSF/ANSI 61, NSF P1, CFIA
		38402	1.75 fl. oz. aluminum bottle				
		21347	25 g net wt. aerosol can				
		21348	4.5 oz. net wt. aerosol can				
		19266	1 gallon can				
SOLVENT-LESS	7090™	19368	1 fl. oz. bottle	Liquid	1 hour	<10 minutes	-
		12695	1 liter bottle				
	Loctite® QuickStix™ 7088™ Primer®	1069258	17 g stick	Semisolid	30 days	-	-