# **LOCTITE** THREADLOCKER 271™

cures anaerobically, when	271 <sup>™</sup> is designed for the perm there is an absence of air betw	een close fitting metal surface	nreaded fasteners. The product s. It protects threads from rust ce cured by heating up parts to	
Automotive – Internal engi Maintenance – Heavy mac	Recomm to 1" (25mm) in diameter in a v ine, auto frame, auto suspension hinery, structural fasteners, hea andrails, play sets, H.D. equipme	n, wheel studs vy conveyors, material movers		
Home – Structural bolts, ha		tations		CALLED DIDA
<ul> <li>Not for use in pure oxyge strong oxidizing material</li> <li>A primer is needed if two</li> </ul>	rts, particularly thermoplastic m en and/or oxygen rich systems a ls o inactive metals are used ns requiring "food safe" locking a	aterials where stress cracking and should not be selected as a and sealing of fasteners		LOCTITE. 271" THREADLOCKER
	Features	& Benefits		Factories to 1
<ul><li>Features</li><li>Protects threads</li><li>Medium strength</li><li>Locks threads</li></ul>		<ul> <li>Benefits</li> <li>Prevents rusting of threads</li> <li>Can be removed with hand tools</li> <li>Prevents loosening of metal fasteners caused by vibrations</li> </ul>		PART NO. 27131 MET 120 FL 0Z. (Henke)
	Techn	ical Data		
Typical Uncured	Physical Properties	Typical Applic	ation Properties	
Colour: Appearance: Base: Specific Gravity: VOC Content:	Dimethyl acrylate ester 1.10	Application Temperature:. Odour: Set Time:	Apply above 10°C Minimal 10 minutes on active metals (steel). Longer for less active metals	
Flashpoint: Shelf Life:	93°C 24 months from date of manufacture (unopened)	Cure Time:	24* hours *Cure time is dependent on temperature and type of metal bonded 400 – 600 cP	PERMANENT • Heavy duty • For Large fasteners • 10 minutes PERMAN SN Data Set (Past Large data / Emain)
	Typically Cured Pe	rformance Properties		
Colour: Operating Temperature:	Blue Cured Form: Non-flammable, hard solid		-flammable, hard solid	Lot Code Explanation: YGAA2230 Y=Last digit of year of manufacture (7-2017)
<u>After 90 minutes @ 22°C</u> Breakaway Torque:	Adhesive	Properties		G=Month of Year (1=Jan., B=Feb., C=March)
3/8 x 16 steel nuts (grade 2) and bolts (grade 5)		75 to 225 PSI (8.5 to 25.4 Nm)		<ul> <li>Preparation &amp; Applications</li> <li>Tools: Hydrogenated rayon cloth the pick up soluble soils on surface and pick up soluble soluble</li></ul>
3/8 x 16 steel nuts (grade 2) and bolts (grade 5) After 24 hours @ 22°C		150 to 300 PSI (16.9 to 34 Nm)		<ul> <li>utility knife</li> <li>Clean: Use non-toxic patented CE citrus solvent available from the you lot the surgilizate science science the surgilizate science sci</li></ul>
Breakaway Torque (ISO 10964): 3/8 x 16 steel nuts (grade 2) and bolts (grade 5) 3/8 x 16 cadmium bolts and nuts 3/8 x 16 zinc bolts and nuts M10 black oxide steel bolts and nuts		150 to 300 PSI (16.9 to 34 Nm) 40 to 125 PSI (4.5 to 14.1 Nm) 40 to 125 PSI (4.5 to 14.1 Nm) 150 to 350 PSI (17 to 40 Nm)		<ul> <li>Loctite supplier to clean the surface of soluble soils</li> <li>Preparation: Protect work area. Part to be sealed must be clean and dry</li> </ul>
Prevail Torque (ISO 10964): 3/8 x 16 steel nuts (grade 2) and bolts (grade 5) 3/8 x 16 cadmium bolts and nuts 3/8 x 16 zinc bolts and nuts M10 black oxide steel bolts and nuts		200 to 355 PSI (22.6 to 40 Nm) 150 to 300 PSI ( 16.9 to 34 Nm) 150 to 300 PSI ( 16.9 to 34 Nm) 200 to 350 PSI (23 to 40 Nm)		Cleaning-up: Clean adhesive residue immediately with a damp cloth. Cured product can be removed with a combination of soaking methylene chloride and mechanice abrasion such as a wire brush.
	Applicable	Specifications		For Disassembly:
Tested to the requirement		<ul><li>Military Specification Mil-S-46163A</li><li>ASTM D 5363</li></ul>		Shear with standard hand tools an remove with methylene chloride*. In rar instances where hand tools do not wor
	because of excessive engagement length			
	al drops of the product onto the rops of the product down the in	0.0		apply localized heat to nut or bolt t approximately 250°C. Disassemble whi hot.

Sealing procedure: Apply a 360° bead of product to the leading threads of the male fitting, leaving the first thread free. Force the material into the threads to thoroughly fill the voids. For bigger threads and voids, adjust product amount accordingly and apply a 360° bead of product on the female threads also.

Assemble parts and tighten as required. Sets in approximately 10 minutes and fully cures in 24 hours.

### Storage and Disposal

Not damaged by freezing. Close the tube tightly after use. Store product in the unopened container in a dry location. Optimal storage is between 8°C to 21°C.

#### **KEEP OUT OF REACH OF CHILDREN**

headache.

Methylene chloride\* is a OSHA considered

carcinogen. Short term exposure to high

concentrations may cause nausea, mental

confusion, lightheadedness, vomiting and



	Temperature	% of initial strength
Environment	°C	1000 hours
Motor Oil ( MIL-L-46152)	125	75
Unleaded Gasoline	22.2	95
Leaded Gasoline I	22.2	100
Brake Fluid	22.2	100
Ethanol	22.2	95
Acetone	22.2	95
1,1,1 Trichloroethane	22.2	95
Water / Glycol 50/50	87.2	85

## HEALTH and SAFETY PRECAUTIONS

WARNING: Contains Methacrylate Ester.

May cause allergic skin reaction and eye irritation. Avoid eye and skin contact. Avoid breathing vapours. Use only with adequate ventilation.

#### FIRST AID:

For eye contact, flush with water for 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If inhaled, move to fresh air. If swallowed, do not induce vomiting but obtain immediate medical attention. **KEEP OUT OF REACH OF CHILDREN.** 



WARNING: CANCER – www.P65Warnings.ca.gov