



# LOCTITE® Tight®

February 2007

## PRODUCT DESCRIPTION

LOCTITE® Tight® provides the following product characteristics:

<b>Technology</b>	Acrylic
<b>Chemical Type</b>	Dimethacrylate ester
<b>Appearance (uncured)</b>	Blue
<b>Components</b>	One component - requires no mixing
<b>Viscosity</b>	Gel
<b>Application</b>	Sealing or Retaining
<b>Cure</b>	Anaerobic

LOCTITE® Tight® is an all purpose gel that locks, seals and retains threaded joints. It can lock nuts, bolts, screws and studs and can lock adjusting screws in any position, thread 1/8 inch to 1-1/2 inches. It also retains bearing, holds pins and bushings, and seals pipe threads and flanges. This product is economical by the fact that a small amount does the work of a lock washer, set screw or locking nut. LOCTITE® Tight® converts to an insoluble hard plastic after assembly that resists most chemicals, liquids and gases. The product allows for disassembly with standard hand tools. It can be used in temperature areas up to 148°C.

## TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C 1.1  
Flash Point - See MSDS

## TYPICAL PERFORMANCE OF CURED MATERIAL

Breakaway Torque, ISO 10964:			
3/8 x 24 steel nuts and bolts	N·m	10	
	(lb.in.)	(90)	
Prevail Torque, ISO 10964:			
3/8 x 24 steel nuts and bolts	N·m	4.5	
	(lb.in.)	(40)	
Lap Shear Strength, ISO 4587:			
Steel	N/mm <sup>2</sup>	9	
	(psi)	(1,300)	

## GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).**

## Directions for use

### 1. For Assembly

- For best results, clean all bond surfaces with a LOCTITE® cleaner/degreaser and allow to dry
- Apply LOCTITE® Tight® to threads in a manner which will result in the product covering and filling the spaces between other close fitting metal parts to be locked or sealed
- At 23°C parts will be locked within 30 minutes or generally sooner and will be cured within 24 hours

### 2. For Disassembly

- In rare instances where hand tools do not work because of excessive engagement length, apply localized heat to nut or bolt to approximately 204°C. Disassemble while hot

## Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

## Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

**Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.** Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

## Conversions

(°C x 1.8) + 32 = °F  
 kV/mm x 25.4 = V/mil  
 mm / 25.4 = inches  
 µm / 25.4 = mil  
 N x 0.225 = lb  
 N/mm x 5.71 = lb/in  
 N/mm<sup>2</sup> x 145 = psi  
 MPa x 145 = psi  
 N·m x 8.851 = lb·in  
 N·m x 0.738 = lb·ft  
 N·mm x 0.142 = oz·in  
 mPa·s = cP

## Note

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