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LOCTITE®

Technical Data Sheet

LOCTITE® LB 771™

Known as LOCTITE® Nickel Anti-Seize Lubricant
January 2015

PRODUCT DESCRIPTION

LOCTITE® LB 771™ provides the following product characteristics:

Technology	Nickel Based
Chemical Type	Mineral oil, nickel, graphite
Appearance	Thick metallic, silver paste, without separation[LMS]
Viscosity	Flow similar to mustard
Cure	Non-curing
Application	Anti-seize
Specific Benefits	• Provides long life for slow speed parts • Nickel content stays intact up to 1,315°C • Prevents galling of parts, especially stainless steel

LOCTITE® LB 771™ is a heavy-duty, high temperature, anti-seize lubricant that resists galling and corrosion and reduces wear in heavy pressure applicationsIt contains tenacious metals, oils and graphite materials which cannot be burned away or removed by slow moving partsIt is exceptionally resistant to attack by acids, ammonia, acetylene and vinyl monomerLOCTITE® LB 771™ reduces friction for tight assembling of stainless steel threads and press fitsAllows easy disassembly of parts after exposure to corrosive or hot environmentsTypical applications include lubricating drop forge dies and hammers, catalyst bed and reaction chamber supports, conveyor chains, and chemical plant bolts for pump housings and pipe flanges. It also lubricates and seals pipe threads in acid environments and coats gaskets in high temperature applicationsThis product is typically used in applications with an operating range of -54 °C to 1,315 °C

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C	1.1
Salt Fog Corrosion, ASTM B 117, hours	168
Extreme Pressure Test, ASTM D 2509, m/min	123

Flash Point - See SDS

Viscosity, Brookfield - RVT,25°C,mPa·s (cP):

Spindle TE, speed 2.5 rpm	650,000 to 1,050,000[LMS]

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 Safety Data Sheet (SDS).

Directions for use

1. Stir LOCTITE® LB 771™ well before using
2. For best results, remove dirt, oil and grease
3. Apply a light coating of LOCTITE® LB 771™ to parts requiring protection
4. Assemble parts
5. Wipe away excess lubricant, protection of parts is now assured
6. To prevent contamination of unused product, do not return any material to its original container
7. **CAUTION:** LOCTITE® LB 771™ is not a high-speed load carrying lubricant and should not be used on ball or roller bearings, or on parts where lubrication is critical
8. **NOTE:** It is not recommended for high stress grade 8 bolts where stress corrosion may occur

Loctite Material Specification[LMS]

LMS dated July 28, 1998. Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Quality.

Reference - Preliminary

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 Henkel representative.

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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/mm² 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

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