LOCTITE® Silicone Lubricant

August 2007

PRODUCT DESCRIPTION

LOCTITE® Silicone Lubricant provides the following product characteristics:

Technology	Silicone grease
Appearance	Translucent[LMS]
Cure	Non-curing
Application	Lubrication
Specific Benefit	• Water and steam resistance • High and low temperature stability • Stops leaks

LOCTITE® Silicone Lubricant is a non-curing silicone paste that seals, lubricates, protects, waterproofs, and electrically insulates metal, rubber, and plastic parts. Use is as a moisture barrier for electrical contacts, a rubber and plastic lubricant, a mold release agent, and a packing lubricant for shafts and valve stems. It is useful as a stopcock lubricant, plug or ball valve lubricant, valve stem packing lubricant, and protector for electrical contacts. It also protects electrical connections against water infiltration, acring, and keeps moisture from forming a conductive film on electric mounts and insulators. LOCTITE® Silicone Lubricant has excellent fluid resistance to water based fluids, alcohols, mineral oils and vegetable oils.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Density @ 25 °C, g/ml	8.3
Specific Gravity @ 25 °C	1.01
Flash Point - See MSDS	
Penetration, ISO 2137, unworked, 1/10 mm	250 to 400[LMS]
Weight Per Gallon, lbs/gal	8.0 to 8.4[LMS]

Electrical Properties:

Dielectric Constant / Dissipation Factor, IEC 60250:	
@ 1 KHz	2.33/0.0045
@ 1MHz	2.37/0.001
Dielectric Strength, IEC 60243-1, kV/mm	22.8

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:

LOCTITE® Silicone Lubricant may be applied by brushing, spraying, or dabbing the product on the surface to be lubricated or sealed

Loctite Material Specification[LMS]

LMS dated August 28, 2005. 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.

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/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

Note

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Reference 0.1