

LOCTITE[®] LB 8105[™]

Known as LOCTITE[®] 8105[™]
January 2015

PRODUCT DESCRIPTION

LOCTITE[®] LB 8105[™] provides the following product characteristics:

Technology	Oil & Grease
Chemical Type	White mineral oil, Fumed Silica and EP-additives
Appearance	Colorless
Odor	Odorless
Application	Lubrication
Cure	Not applicable

LOCTITE[®] LB 8105[™] is a mineral oil based grease which is approved for use on equipment in food processing and pharmaceutical industries. This product is used as a lubricant for moving parts. It is ideally suited for bearings, cams, valves, and conveyors for food and pharmaceutical products. This product is typically used in applications with an operating range of -20 °C to +150 °C.

NSF International

Registered to NSF Category H1 for use as a lubricant with incidental food contact in and around food processing areas.
Note: This is a regional approval. Please contact your local Technical Service Center for more information and clarification

TYPICAL PROPERTIES

Density, ISO 2811-1 @ 25 °C, g/ml	0.9
Consistency, ISO 6743-99, NLGI Class	2
Penetration, worked, ISO 2137, 1/10mm: @ 25 °C and 60 strokes	265 to 295
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	>1,300
Weld Scar (@ 1,300 N), mm	<4.0
Wear, 1 hour / 400 N, mm	1.0
Copper Corrosion, ISO 2160: 3 hours @ 100 °C	1b
Peak Temperature, °C	170
Flash Point - See SDS	

GENERAL INFORMATION

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

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

Directions for use:

1. Apply to clean parts which need lubricating, avoid excessive lubrication.
2. Do not apply to conveyors while food is being transported.

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

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 0.4