

LOCTITE® LB 8030™

Known as LOCTITE® 8030™

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PRODUCT DESCRIPTION

LOCTITE® LB 8030™ provides the following product characteristics:

Technology	Oil
Chemical Type	Mineral oil and EP additives
Appearance	Dark yellow
Odor	Oily
Cure	Not applicable
Application	Lubrication

LOCTITE® LB 8030™ is a multi-purpose cutting oil used to facilitate machining operations. This product permits greater cutting speed with improved surface finish and increased tool life. It is a lubricant for wear prevention during drilling and for use in general machining operations. Suitable for use on steel and stainless steel. However it should not be used on aluminum, titanium and copper alloy surfaces where appearance is important. This product is typically used in applications with an operating range of -20 °C to +160 °C.

TYPICAL PROPERTIES

Density @ 20 °C, g/ml	0.895
Viscosity @ 40°C, cSt	170
Pour Point, °C	<-30
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	8,000
Weld Scar (@ 8,000 N), mm	<4
Wear, 1 hour / 400 N, mm	1
Peak Temperature, °C	200
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 LOCTITE® LB 8030™ to tool prior and during cutting operation.

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 0.1