LOCTITE® 8150™

April 2009

PRODUCT DESCRIPTION

LOCTITE® 8150™ provides the following product characteristics:

Technology	Anti-Seize
Chemical Type	Mineral Oil, Lithium Soap, Graphite, Aluminum and EP-additives
Appearance	Grey
Odor	Oily
Cure	Non-curing
Application	Lubrication

LOCTITE® 8150™ is an anti-seize lubricant to protect threaded connections exposed to high temperatures up to 900 °C to prevent seizing and corrosion. This product prevents seizing or jamming in joints exposed to high temperatures (e.g. exhausts of combustion engines and fittings or oil and gas burners). This product is typically used in applications with an operating range of -30 °C to +900 °C.

TYPICAL PROPERTIES

Density, ISO 2811-1 @ 25 °C, g/ml	0.9
Consistency, ISO 6743-99, NLGI Class	1
Penetration, worked, ISO 2137, 1/10mm:	
@ 25 °C and 60 strokes	310 to 340
Loading Test - 4 ball, ASTM D2596:	
Weld Load, N	4,400
Weld Scar (@ 4,400 N), mm	<4.0
Wear, 1 hour / 400 N, mm	0.95
Copper Corrosion, ISO 2160:	
3 hours @ 100 °C	1b
Peak Temperature, °C	900
Flash Point - See MSDS	

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 Material Safety Data Sheet (MSDS).

Directions for use:

1. Apply to clean parts which need lubricating, avoid excessive lubrication.

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/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

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Reference 1.1