



LOCTITE[®] 8156™

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PRODUCT DESCRIPTION

LOCTITE[®] 8156™ provides the following product characteristics:

Technology	Anti-Seize
Chemical Type	Mineral and synthetic oil, inorganic gel and lithium soap
Appearance	White paste ^{LMS}
Cure	Not applicable
Application	Lubrication
Specific Benefit	<ul style="list-style-type: none"> Prevents seizing Can be used on copper alloy materials

LOCTITE[®] 8156™ is designed as an anti-seize lubricant to protect surfaces exposed to high temperatures up to +900 °C. 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). It can be used on surfaces subjected to high loads/low speeds at high temperatures. It may also be used as a lubricant for oscillating mechanisms. This product is typically used in applications with an operating range of -25 °C to +900 °C.

TYPICAL PROPERTIES

Density, ISO 2811-1 @ 25 °C, g/ml	1.2 to 1.4 ^{LMS}
Consistency, ISO 6743-99, NLGI Class	2 to 3
Drop Point, ISO 2176, °C	>190 ^{LMS}
Bomb Oxidation, ASTM D942, N/mm ² drop: 100 hours	<3
Copper Corrosion, ISO 2160: 3 hours @ 100 °C	1a
Penetration, unworked, ISO 2137, 1/10mm: @ 25 °C	220 to 295 ^{LMS}
Loading Test - 4 ball, ASTM D2596: Weld Load, N	4,200
Wear, 1 hour / 400 N, mm	0.79
Disassembly Torque, MIL-A-907 E80, Nm: (On-torque 80 Nm):	
Aged for 24 hours @ 450 °C, Mild steel	90
Aged for 24 hours @ 750 °C, Stainless steel	100

GENERAL INFORMATION

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

Directions for use

- For best performance part surfaces should be clean and free of grease.
- LOCTITE[®] cleaners 7063™ or 7070™ may be used to remove oxides and lubricant residues.

- Apply a thin layer by brushing evenly over the whole surface for moving parts lubrication.

Loctite Material Specification^{LMS}

LMS dated April 23, 2004. 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/mm
mm / 25.4 = inches
µm / 25.4 = mil
N x 0.225 = lb
N/mm x 5.71 = lb/in
N/mm ² 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 1.2