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Technical Data Sheet

LOCTITE® LB 8209

Known as LOCTITE® Krytox® RFE Bearing Lubricant CP
May 2019

PRODUCT DESCRIPTION

LOCTITE® LB 8209 provides the following product characteristics:

Technology	Synthetic Grease
Chemical Type	Perfluoropolyether (PFPE)
Appearance (uncured)	Polytetrafluoroethylene (PTFE)
Fluorescence	White to off white buttery grease
Cure	Non-curing
Application	Lubrication
Specific Benefits	• Thermally stable • Chemical resistant • Non-flammable • Non-toxic • Waterproof • Compatible with most plastics • Outperforms petroleum-based grease • Can be used with chlorinated systems • Insoluble in all but fluorinated solvents

LOCTITE® LB 8209 is a high performance, chemically inert synthetic grease designed specifically to provide long-lasting lubrication in severe chemical environments. Typical applications include bearings, valves, etc. This product is typically used in applications with an operating range of -26°C to +260°C.

TYPICAL PROPERTIES

Specific Gravity @ 25°C	1.89 to 1.93
Viscosity, base oil, ASTM D445, cSt:@ 20 °C	810
Oil Separation, ASTM D6184, % wt. loss: 30 hours @ 99 °C	3.0
Consistency, ISO 6743-99, NLGI class	2
Penetration, ISO 2137, unworked, (1/10 mm)	265 to 295

General information

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

Direction for use

1. For best results, remove old lubricant and thoroughly clean parts.
2. Lubricate as required to manufacturers specifications.
3. Monitor levels. Lubrication intervals should be extended significantly.

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 Henkel 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

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