



LOCTITE® 8021™

December 2009

PRODUCT DESCRIPTION

LOCTITE® 8021™ provides the following product characteristics:

Technology	Oil & Grease
Chemical Type	Silicone Oil
Appearance	Clear liquid ^{LMS}
Propellant	Propane/Butane
Cure	Not applicable
Application	Lubrication

LOCTITE® 8021™ is a general purpose, low viscosity silicone oil used for lubricating metal and non-metal surfaces (e.g. guides, conveyors, cutting knives and plastic components). It may also be used as a release agent in moulds, etc. This product is typically used in applications with an operating range of -30 °C to +150 °C (continuous) and -50 °C to +250 °C (peaks) after complete evaporation of solvents.

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, DIN EN542 @ 25 °C, g/ml	0.6
Specific Gravity @ 20 °C	0.766 to 0.778 ^{LMS}
Refractive Index	1.372 to 1.384 ^{LMS}
Solids/Non-Volatile Content, %	49 to 51 ^{LMS}
Viscosity @ 25°C, mPa·s (cP)	350
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. Shake can thoroughly before use. Spray on to clean parts, where possible.
2. LOCTITE® cleaners 7063™ or 7070™ may be used to remove old oil residues, but when they cannot be used, it is important to check the compatibility of old oils with the new lubricant.
3. This product should not be used on parts which are likely to be painted.

Loctite Material Specification^{LMS}

LMS dated January 08, 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

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

Note

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Reference 1.2