

# LOCTITE MR 11

December 2016

**PRODUCT DESCRIPTION**

LOCTITE MR 11 provides the following product characteristics:

<b>Technology</b>	Silicone
<b>Appearance</b>	Colorless liquid
<b>Cure</b>	Air dry
<b>Product Benefits</b>	<ul style="list-style-type: none"><li>• Low viscosity</li><li>• Contains solvent</li></ul>
<b>Application</b>	Coating
<b>Application Method</b>	Brush, Dip or Spray

LOCTITE MR 11 liquid silicone mold release is designed for use on epoxies, polyesters and other similar polymer systems. It is formulated to dry to a film after application with exceptional non-stick property that is dry to the touch.

**TYPICAL PROPERTIES OF UNCURED MATERIAL**

Viscosity, Brookfield 350, ASTM D2393, mPa·s (cP)	350
Density, g/cm <sup>3</sup>	0.68
Shelf Life @ 25°C, months	368
Flash Point, ASTM D93, °C	-4

**TYPICAL CURING PERFORMANCE****Recommended Drying Conditions**

5 to 10 minutes @ 25°C until it is dry to the touch

Care should be taken not to apply the mold release to surfaces assigned to be bonded later.

The above drying profile is a guideline recommendation. Conditions (time and temperature) may vary based on customers' experience and their application requirements, as well as customer drying equipment.

**GENERAL INFORMATION**

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

**DIRECTIONS FOR USE**

1. LOCTITE MR 11 is a flammable material.
2. LOCTITE MR 11 contains solvents therefore proper ventilation should be used.
3. Some substrates may be sensitive to solvents. Testing should be performed before use of LOCTITE MR 11.
4. LOCTITE MR 11 can be applied by brushing, dip coating or spraying.
5. If applying by dipping the entire mold into the mold release, allow excess material to drain prior to drying.
6. A thin film of applied material is more effective than a thick film.
7. Thin layers of build up observed after a large number of applications of mold release material can be removed with the use of Hexane or chlorinated solvents.

**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 : 25 °C**

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**

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

## Disclaimer

### 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 1