Technical Data Sheet

LOCTITE® MR 5438™

Known as LOCTITE® No More Leaks™ Plastic Pipe Sealant
January 2015

PRODUCT DESCRIPTION

LOCTITE® MR 5438™ provides the following product characteristics:

Technology	Polymeric Resin
Chemical Type	Polymeric material, fillers and isopropyl alcohol
Appearance (uncured)	White liquid[LMS]
Key Substrates	ABS, PVC, CPVC or Polypropylene
Cure	Non-hardening
Application	Thread sealing
Specific Benefit	• No measuring or mixing

LOCTITE® MR 5438™ is designed for the sealing of threaded plastic pipes, pipe fittings and flanges. It is ideal for irrigation, pump, well and swimming pool industries. This product is typically used in applications with an operating range of -51 °C to 149 °C.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C	1.37
Flash Point - See SDS	
Viscosity, Brookfield - RVT, 25 °C, mPa·s (cP):	
Spindle 7,, speed 10 rpm	90,000 to 110,000[LMS]

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

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

Directions for use:

1. Threads should be clean and free of dirt or heavy corrosion before applying sealant. However, a thin coat of grease, oil, or lubricant does not affect the sealability.
2. Brush or use a finger to apply compound into the grooves of the male threads. For optimal results let solvent flash off for 5 minutes.
3. Assemble parts.
4. Excess material can be easily wiped away. Dried sealant can be peeled off and removed with isopropyl alcohol.

Loctite Material Specification[LMS]

LMS dated June 27, 2006. 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/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:
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