Technical Data Sheet

LOCTITE® SI 3407™

Known as LOCTITE® 3407™
January 2015

PRODUCT DESCRIPTION

LOCTITE® SI 3407™ provides the following product characteristics:

Technology	Silicone
Chemical Type	Silicone
Appearance (uncured)	Black paste[LMS]
Components	One component - requires no mixing
Cure	Heat cure
Application	Bonding, Sealing or Gasketing

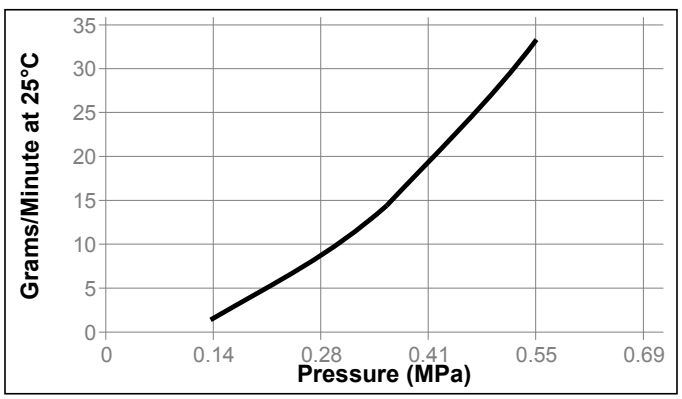
LOCTITE® SI 3407™ is primarily designed for a wide variety of applications in the Fiber Optic industry.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C	1.28
Flash Point - See SDS	
Flow, ISO 7390, mm:	
After 2 minutes @ 25 °C	<2.5
Extrusion Rate, g/min:	
Pressure 0.14 MPa, temperature 25 °C:	
30 cc Syringe, No tip or nozzle	≤5[LMS]

Extrusion/Dispense Rate

From a 30 cc EFD Syringe



TYPICAL PROPERTIES OF CURED MATERIAL

Cured for 1 hour @ 150 °C

Physical Properties:

Shore Hardness, ISO 868, Durometer A		26 to 50[LMS]
Elongation, ISO 37, %		350 to 700[LMS]
Tensile Strength, ISO 37	N/mm²	≥3.4[LMS]
	(psi)	(≥493)

TYPICAL PERFORMANCE OF CURED MATERIAL

Adhesive Properties

Cured for 1 hour @ 150 °C

Lap Shear Strength, ISO 4587:		
Aluminum	N/mm²	≥3.4[LMS]
	(psi)	(≥493)

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. Product should be brought to room temperature before use.
2. For best performance bond surfaces should be clean and free from grease.
3. Excess material can be easily wiped away with non-polar solvents.
4. Cure product by exposure to recommended temperature for 15 minutes.
5. Actual cure schedule depends on mass and geometry of parts.

Loctite Material Specification[LMS]

LMS dated November 06, 2002. 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: 2 °C to 8 °C. Storage below 2 °C or greater than 8 °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:
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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