

LOCTITE® Super Flex 24

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PRODUCT DESCRIPTION

LOCTITE® Super Flex 24 provides the following product characteristics:

Technology	Silicone
Chemical Type	Neutral cure silicone
Appearance (uncured)	Red, white or grey paste
Components	One component - requires no mixing
Cure	Room temperature vulcanizing (RTV)
Application	Gasketing and sealing
Specific application	Gasket dressing or gasket replacement
Specific benefits	<ul style="list-style-type: none"> • Excellent resistance to automotive engine oils • Non sagging • Suitable for a wide range of substrates, including metals and plastics • Non-corrosive

LOCTITE® Super Flex 24 is a one-part, neutral curing RTV silicone adhesive/sealant. It cures on exposure to moisture in the air. Cure times vary with temperature, humidity and gap. LOCTITE® Super Flex 24 applications include form- in-place gasketing in gearboxes and pumps and sealing solar cell systems, industrial buzzer pizzas, oil sumps, timing belt covers and other automotive sealing processes.

Typical properties of uncured material

Specific gravity @ 25°C	1.35 to 1.5
Extrusion Rate, g/min:	
Pressure 0.62 MPa, time 15 seconds, temperature 25°C:	200 to 600
Semco cartridge	
Flash point - see SDS	

Typical curing performance

Surface cure

Tack free time is the time required to achieve a tack free surface.

Tack free time, minutes:	
Cured @25°C / 50±5 %RH	10 to 20

Typical performance of cured material

Cured for 1 week @ 25°C / 50±5 % RH

Shore hardness, ISO 868, Durometer A	35 to 55
Elongation at break, ISO 37, %	≥150
Tensile strength, ISO 37	N/mm ² ≥1.2 (psi) (≥174)

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. For best performance, the surfaces should be clean and free from grease.
2. Moisture curing begins immediately after the product is exposed to the atmosphere, therefore parts to be assembled should be mated within a few minutes after the product is dispensed.
3. Full performance properties will develop over 72 hours.
4. Excess material can be easily wiped away with non-polar solvents.
5. Excess cured material can be removed with a knife or single edge razor blade.

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.

Product Specification

The technical data contained herein are intended as reference only and are not considered specifications for the product.

Product specifications are located on the Certificate of Analysis or please contact Henkel representative.

Approval and certificate

Please contact Henkel representative for related approval or certificate of this product.

Data ranges

The data contained herein may be reported as a typical value. Values are based on actual test data and are verified on a periodic basis.

Temperature/Humidity Ranges: 23°C / 50% RH = 23±2°C / 50±5% RH

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

Disclaimer

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