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LOCTITE

Technical Data Sheet

LOCTITE® 962T™

June 2015

PRODUCT DESCRIPTION

LOCTITE® 962T™ provides the following product characteristics:

Technology	Acrylic
Chemical Type	Methacrylate ester
Appearance (uncured)	Opaque red liquid[LMS]
Fluorescence	Positive under UV light
Components	One component - requires no mixing
Viscosity	Thixotropic
Cure	Anaerobic
Secondary Cure	Activator
Application	Sealing
Strength	High

LOCTITE® 962T™ is designed for sealing core plugs but is also applicable to many other high strength sealing applications where non-migration is desired. Typical applications include sealing and securing cylindrical metal assemblies, e.g. engine block cup and core plugs, water pump seals, and hub and shaft assemblies. The thixotropic nature of LOCTITE® 962T™ reduces the migration of liquid product after application to the substrate.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 27 °C	1.05
Flash Point - See SDS	
Viscosity, Brookfield - RVT,25°C,mPa·s (cP):	
Spindle 3, speed 2.5 rpm	4,000 to 13,000[LMS]
Spindle 3, speed 20 rpm	1,400 to 3,500[LMS]

TYPICAL CURING PERFORMANCE

Fixture Time

Fixture time is defined as the time to develop a shear strength of 0.1 N/mm² .

Fixture Time, minute	30

TYPICAL ENVIRONMENTAL RESISTANCE

Cured for 1 week @ 22°C

Hot Strength

Tested at 88 °C

Compressive Shear Strength, ISO 10123:

Steel pins and collars	N/mm²	13.8
	(psi)	(2,000)

Heat Aging

Heat aged for 120 hours @ 121°C, tested @ 22 °C

Compressive Shear Strength, ISO 10123:

Steel pins and collars	N/mm²	13.8
	(psi)	(2,000)

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).

Where aqueous washing systems are used to clean the surfaces before bonding, it is important to check for compatibility of the washing solution with the adhesive. In some cases these aqueous washes can affect the cure and performance of the adhesive.

This product is not normally recommended for use on plastics (particularly thermoplastic materials where stress cracking of the plastic could result). Users are recommended to confirm compatibility of the product with such substrates.

Directions for use

1. For best performance bond surfaces should be clean and free from grease.
2. Shake the product thoroughly before use.
3. Apply LOCTITE® 962T™ to both parts to assure sufficient coverage.
4. Parts must be closely-fitted metal surfaces in order to assure effective sealing and bonding of the assembly.
5. Assemble parts in accordance with standard practice.
6. LOCTITE® 962T™ cures in 2 hours on activated parts. Allow 24 hours on unactivated parts.

Loctite Material Specification[LMS]

LMS dated March 27, 2000. 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 Henkel representative.

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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

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