

## LOCTITE® 262™

December 2009

### PRODUCT DESCRIPTION

LOCTITE® 262™ provides the following product characteristics:

<b>Technology</b>	Acrylic
<b>Chemical Type</b>	Dimethacrylate ester
<b>Appearance (uncured)</b>	Red liquid <sup>LMS</sup>
<b>Fluorescence</b>	Positive under UV light <sup>LMS</sup>
<b>Components</b>	One component - requires no mixing
<b>Viscosity</b>	Medium, thixotropic
<b>Cure</b>	Anaerobic
<b>Secondary Cure</b>	Activator
<b>Application</b>	Threadlocking
<b>Strength</b>	Medium to High

LOCTITE® 262™ is designed for the permanent locking and sealing of threaded fasteners. The product cures when confined in the absence of air between close fitting metal surfaces and prevents loosening and leakage from shock and vibration. Typical applications include the locking and sealing of large bolts and studs (up to M25). The thixotropic nature of LOCTITE® 262™ reduces the migration of liquid product after application to the substrate.

### Mil-S-46163A

LOCTITE® 262™ is tested to the lot requirements of Military Specification Mil-S-46163A. **Note:** This is a regional approval. Please contact your local Technical Service Center for more information and clarification.

### ASTM D5363

Each lot of adhesive produced in North America is tested to the general requirements defined in paragraphs 5.1.1 and 5.1.2 and to the Detail Requirements defined in section 5.2.

### NSF International

**Registered to NSF Category P1** for use as a sealant where there is no possibility of food contact in and around food processing areas. **Note:** This is a regional approval. Please contact your local Technical Service Center for more information and clarification.

### TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25 °C

1.1

Flash Point - See SDS

Viscosity, Brookfield - RVT, 25 °C, mPa·s (cP):

Spindle 3, speed 20 rpm, Helipath 1,200 to 2,400<sup>LMS</sup>

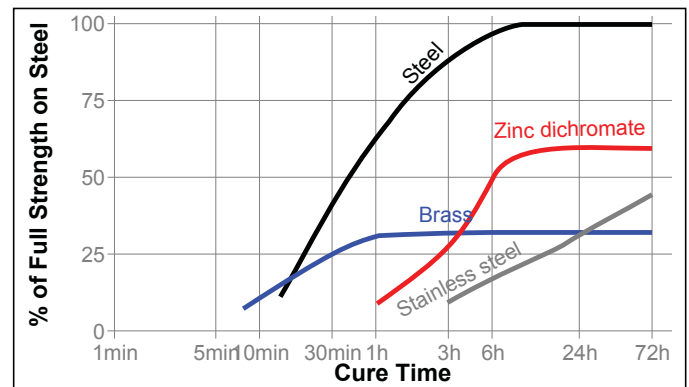
Viscosity, EN 12092 - MV, 25 °C, after 180 s, mPa·s (cP):

Shear rate 129 s<sup>-1</sup> 400

### TYPICAL CURING PERFORMANCE

#### Cure Speed vs. Substrate

The rate of cure will depend on the substrate used. The graph below shows the breakaway strength developed with time on M10 steel nuts and bolts compared to different materials and tested according to ISO 10964.



#### Cure Speed vs. Bond Gap

The rate of cure will depend on the bondline gap. Gaps in threaded fasteners depends on thread type, quality and size. The following graph shows shear strength developed with time on steel pins and collars at different controlled gaps and tested according to ISO 10123.