



LOXEAL®

ENGINEERING ADHESIVES

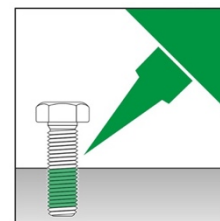
PUT IT ON & GO TO SLEEP



HIGH STRENGTH THREADLOCKING ADHESIVE

LOXEAL 55-02

Technical Data Sheet



Overview:

Loxreal® 55-032 Medium Strength Anaerobic Adhesive for sealing hydraulic and pneumatic threads connectors up to 3/4" and small pipes. **To Replace PTFE tapes** in the sealing of gases. Water LPG, hydrocarbons, oils and other chemicals. High resistant to heat, corrosion, shocks and vibrations.

Designed to improve the operating conditions, they are not labelled as hazardous products, according to actual directive on dangerous products.

Physical Properties:

Adhesive Type: Anaerobic Methacrylate
 Colour: Blue
 Fluorescence: Under Blue Light
 Specific Weight (+25°C g/ml): 1.05
 Viscosity at +25°C (mPas): 2,500 – 12,000 thixotropic
 Gap Filling: M36 / 0.25 mm
 Shelf Life: 12 months at 25°C in original unopened packaging

Curing Performance:

Curing rate depends on the assembly clearance, material surfaces and temperature. Functional strength is usually reached in 1 – 3 hours and full curing takes 24 – 36 hours. In case of passive surfaces and / or low temperature, a fast cure can be obtained using Loxeal activator 11.

Curing Properties:

Bolt M10 x 20 ZN – quality 8.8 – nut h = 0.8 d at +25°C
 Handling cure time: 20 – 40 minute
 Functional cure time: 6 – 12 hours
 Full cure time: 24 – 36 hours
 Locking torque (ISO 10964):
 - Breakaway: 18 – 25 Nm
 - Prevailing: 9 – 16Nm
 Temperature range: -55°C to +150°C

Direction for use:

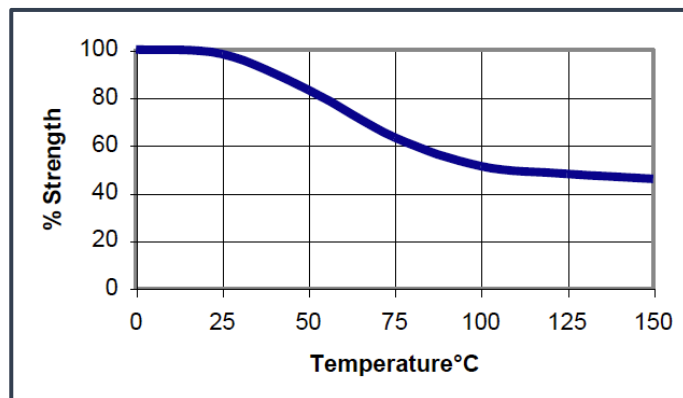
The product is recommended for use on metals surfaces. Clean and degrease parts before bonding with **Loxeal Cleaner 10**.

Apply the product to fill the gap completely, assemble parts and hold on for curing time. Liquid product can damage coating, some plastics and elastomers and late stress-cracking events might be induced if used with some thermoplastics.

For application on non-metal materials, contact Loxeal Technical service. For disassembly, use normal tools and eventually heat pieces at +150°C to +250°C, remove any residue of cured product mechanically and clean parts with acetone.

Environmental Resistance

The graph below shows the mechanical strength vs. temperature. Steel specimen – ISO 4587



Chemical Resistance:

Aged under conditions below after 24 hours from polymerization at indicated temperature.

Substance	°C	Resistance after 100 h	Resistance after 1,000	Resistance after 5,000 h
Motor oil	125	Excellent	Excellent	Excellent
Gear box oil	125	Excellent	Excellent	Excellent
Gasoline	25	Excellent	Excellent	Excellent
Water/glycol 50%	87	Discrete	Discrete	Discrete
Brake oil	25	Excellent	Excellent	Excellent

For information on resistance with other chemicals, contact Loxeal Technical Service.

Storage:

We recommend to store this product in a cool and dry place at temperature not exceeding +25°C. To avoid contaminations, do not refill containers with used products. For more information on applications, storage and handling, contact Loxeal Technical Service.

Safety and Handling:

Consult the Material Safety Data Sheet before use.

Note:

The data contained herein, obtain in Loxeal laboratories, are given for information only; if specifics are required, please contact Loxeal technical department. Loxeal ensures abiding quality of supplied products according to its own specifics. Loxeal cannot assume responsibility for the results obtained by others which methods are not under Loxeal control. It is user's responsibility to determine suitability for user's purpose of any product mentioned herein. Loxeal disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of Loxeal products. Loxeal specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.

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