



Technical Data Sheet B242 Nutlock (Threadlocker)

December 2021

PRODUCT DESCRIPTION

B242 Nutlock is a medium strength threadlocker designed for the locking and sealing of threaded fasteners. Used on gearbox bolts, driveshafts, bearing cover cap screws. It protects threads from rust and corrosion and prevents loosening from shock and vibration. Ideal for less active substrates such as stainless steel, aluminium and plated surfaces. Hand tools can be used for disassembly whilst servicing.

THREADLOCKERS

Bondloc threadlockers are single-component liquids that cure at room temperature to a hard, solid thermoset plastic when applied between steel, aluminium, brass, and most other metal surfaces. They cure with the absence of air and when in contact with metal ions, the adhesive completely fills the gaps between mating threads to lock threads and joints. This prevents unwanted movement, loosening, leaks and corrosion.

ANAEROBIC KEY FEATURES

- Single-component – clean and easy to apply
- Prevent unwanted loosening, leaks, and corrosion
- Reduces costs over mechanical fittings
- Resists vibration
- Can be used on all sizes of fasteners – reduces inventory costs
- Seals threads and increases friction.

TECHNICAL FEATURES

Base technology	Acrylic
Colour	Blue (UV Positive)
Cure	Anaerobic
Viscosity Brookfield Sp3 @20rpm@25°C	1200 cps
Cure speed without Activator	20 minutes @ 22°C
Cure speed with Activator	<5 mins @ 22°C
Max Thread Size	M20
Shelf Life	24 months @ 22°C
Specific Gravity ASTM D1475-13 (2020)	1.06
Temperature Range	-55°C to +150°C

TEST PERFORMANCE

Full Cure Time	24 hours @ 22°C
Strength – ISO 10964 Breakaway Prevailing	Unseated <16Nm 5Nm
Strength – ISO 10964 Breakloose: Prevailing:	Pre – torqued 22Nm 8-15Nm

TEST CRITERIA

The test performance data reported was measured according to ISO 10964 using M10 mild steel bolts and cured 24 hours at 22°C (71.6°F) before testing.

PACKAGING FORMAT

Bottles.....10ml, 25ml, 50ml, 250ml

Bondloc UK Ltd.
Units 1 & 2
Bewdley Business Park
Bewdley, Worcestershire
DY12 2TZ, UK

+44 (0) 1299 269 269
sales@bondloc.co.uk





Technical Data Sheet

B242 Nutlock (Threadlocker)

December 2021

INSTRUCTIONS FOR USE

- Clean surfaces to be bonded with B7063 Solvent Cleaner and allow to dry
- Apply adhesive to the threads, apply sufficient adhesive to fill the voids and then assemble and tighten as required
- When the cure speed is slow use B7649 Anaerobic activator for increased cure and set times.

LIMITATIONS

- 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. Material removed from containers may be contaminated during use. Do not return the product to the original container. Bondloc UK Ltd will not assume responsibility for product that has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact our office, and report the problem
- Anaerobic products are 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.

STORAGE

Store product in the unopened container in a dry area out of direct sunlight. Storage below 7°C or greater than 28°C can adversely affect product performance. If stored properly, this product has a shelf life of 24 months.

HEALTH & SAFETY

This technical information sheet does not constitute a Safety Data Sheet (SDS). Before using this product ensure you have read and fully understood this products SDS.

PRODUCT DISCLAIMER

Bondloc offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations. The statements, technical information, data, and recommendations contained in this TDS are provided 'AS IS' and are not warranted or guaranteed in any way. They represent typical results for the products and are based on Bondloc's research only. Since the conditions and methods of use of the products are beyond our control, Bondloc expressly disclaims any and all liability and damages of whatever kind or nature that may arise from any use of the products, the results therefrom, or reliance on the information contained herein. This TDS is one of several tools that may be used to help you find the product best suited for your needs. It is used at your own risk, and by using it, you are knowingly accepting and assuming any and all risks associated with its use and recommendations. BUYERS AND USERS ASSUME ALL RESPONSIBILITY AND LIABILITY FOR ANY AND ALL LOSS OR DAMAGE OF WHATEVER KIND OR NATURE ARISING FROM OR RELATED TO THE HANDLING OR USE OF BONDLOC'S PRODUCTS. The performance of the product, its shelf life, and application characteristics will depend on many variables, including but not limited to the kind of materials to which the product will be applied, the environment in which the product is stored and/or applied, and the equipment used for the application, among other things. Any change in any of these variables can affect the product's performance. You are responsible to test the suitability of any product in advance for any intended use or application. Bondloc does not guarantee the reliability, completeness, use, or function of the statements, technical information, data, and recommendations contained in this TDS.

Bondloc UK Ltd.
Units 1 & 2
Bewdley Business Park
Bewdley, Worcestershire
DY12 2TZ, UK

+44 (0) 1299 269 269
sales@bondloc.co.uk

