



Technical Data Sheet

B518 Flexible Gasket

PRODUCT DESCRIPTION

B518 Flexible Gasket is a semi-flexible medium-strength gasketing product recommended for use on rigid iron, stainless steel, aluminium, and steel flanged jointed surfaces. Fills gaps up to 0.25mm and is chemically resistant.

Ideal for use on rigid metal faces and flanges i.e., pumps, motor housings and transmissions.

GASKET SEALANTS

Bondloc Gasket Sealants are single-component pastes/gels that cure at room temperature in the absence of air and when in contact with metal ions. They are used to prevent leakage of fluids or gases by forming an impervious barrier when the seal must remain intact and leak-free and be resistant to fluids and gasses withstanding high temperatures. Bondloc gasketing products are self-forming gaskets that provide a perfect seal between components, with maximum face-to-face contact, eliminating flange face corrosion.

Used to replace conventional methods used in the assembly industry normally using various pre-cut gaskets, O-ring seals and profile packings which seal by compression.

ANAEROBIC KEY FEATURES

- Single-component – clean and easy to apply
- Replace conventional gaskets – reduces inventory
- Excellent instant seal fills all voids
- No need for retorquing
- High resistance to solvents
- Resists high pressure when fully cured.

TECHNICAL FEATURES

Base technology	Dimethacrylate ester
Colour	Red (UV Positive)
Cure	Anaerobic
Viscosity Brookfield Sp7 @2rpm@25°C	280,000 – 800,000cps
Cure speed without Activator	<12 hours @ 22°C
Cure speed with Activator	<2 hours @ 22°C
Gap Fill	0.25mm
Shelf Life	24 months @ 22°C
Specific Gravity ASTM D1475-13 (2020)	1.13
Temperature Range	-55°C to +150°C

TEST PERFORMANCE

Full Cure Time	12 hours @ 22°C
Tensile Strength – ISO 4587	≥ 5N/mm ²

TEST CRITERIA

The test performance data reported was measured according to ISO 4587 using grit blast mild steel and cured 24 hours at 22°C (71.6°F) before testing.

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.

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

B518 Flexible Gasket

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.

PACKAGING FORMAT

Bottles.....50ml, 250ml, 300ml

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

