

Technical Data Sheet

TDS B542 HYDRAULIC SEAL & LOCKER

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BONDLOC[™]
FORMULAS THAT WORK

Bondloc B542 HYDRAULIC SEAL & LOCKER

PRODUCT DESCRIPTION

B542 Hydraulic Seal is a thixotropic liquid which cures Anaerobically to form a tough, high pressure seal on all types of threaded couplings used on low, medium and high pressure lines.

APPLICATIONS

B542 is used for all types of hydraulic connections, sealing against typical pressure line ratings, use Hydraulic Seal to fit valves, threaded couplings, adaptors, quick disconnect parts, compression fittings and vibration proofing joints.

USEFUL NOTES

For fast cure, clean parts and apply local heat to joints with a heat gun or soft flame.

PROPERTIES

B542 is tolerant of a light oil film. Seals up to 400 bar, 20mm fittings. Vibration proofs joints. Easily dismantled with tools.

INSTRUCTIONS FOR USE

Ensure parts are clean, dry and free from oil and grease.

PROCEDURE FOR APPLICATION

Product is normally hand applied from the bottle.

COMPATIBLE ACCELERATORS/PRIMERS

Primers such as B7471 (Standard Anaerobic Activator) or the faster B7649 Structural Accelerator can be used, however, up to 30% strength loss can occur when using accelerators. See chart.

STORAGE

Store in a cool area out of direct sunlight.
Shelf Life > 12 months @ 20°C.

HEALTH & SAFETY IN USE

IRRITANT: Contains Methacrylate Esters and some products contain small amounts of Acrylic Acid. Irritates eyes, the respiratory organs and the skin. In case of contact with the skin wash immediately with plenty of water.

This Technical information sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood Bondloc Material Safety Data Sheet B542.

TECHNICAL FEATURES

Resin	Dimethacrylate
Colour	Brown
Fixture Speed No Activator (see chart)	10 - 20 mins
Fixture Speed With Activator (see chart)	<5 mins
Spindle 5 @ 2.5 rpm	1000 to 2750 cps
Spindle 5 @ 20rpm	400 to 800 cps
Gap fill	0.05mm to 0.25 mm
Flash point	>100°C
Shelf life	12 months @ 20°C
Specific gravity	1.06
Max operating temp	-55°C to + 150°C

CURED PERFORMANCE

Full Cure Time	12 hours
Typical breakaway ISO 10964	15 N.m
Typical prevailing ISO 10964	>8 N.m
DIN 54454 Breakloose	24 N.m
DIN 54454 Prevailing	15 to 35 N.m
Typical Break and Prevailing	20N.m/15N.m

PRESENTATION

B542 is available in 10ml, 25ml, 50ml, 250ml.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but is furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.