

Technical Data Sheet

B542 – Hydraulic Seal Revised

03.08.10



B542 Hydraulic Seal

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.

INSTRUCTIONS FOR USE

- Clean and dry surfaces to be bonded
- Apply adhesive to threads and assemble parts.
- Parts should be left for 15 minutes to reach handling strength, working strength 1 hour
- B7471 (Standard) or B7649 (Fast) Activators can be used, however 30% strength loss can occur when using accelerators.

TECHNICAL FEATURES

Resin	Dimethacrylate
Colour	Brown
Fixture Speed No Activator (see chart)	10 - 20 mins
Fixture Speed With Activator (see chart)	<5 mins
Spindle 2 @ 2.5 rpm	1000 to 2750 cps
Spindle 2 @ 20rpm	400 to 800 cps
Gap fill	0.05mm to 0.25 mm
Flash point	>100°C
Shelf life	2 Years @ 20°C
Specific gravity	1.06
Max operating temp	-55°C to + 150°C

CURED PERFORMANCE

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

STORAGE

Store in a cool area out of direct sunlight. Shelf Life 18months at 20°C.

HEALTH & SAFETY

Not recommended for use in pure oxygen and oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

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

PRESENTATION

Bottles.....10ml, 25ml, 50ml, 250ml
Clam Packs.....10ml, 25ml, and 50ml

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 are 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.