HYLOMAR®

TECHNICAL DATA SHEET

HYLOGRIP HY5172 / 760 / 5059

Anaerobic Thread Sealant

Description

Hylogrip HY5172 thread sealant was specifically formulated and developed for the sealing and locking of threaded joints and other sealing applications. The products are resistant to heat, corrosion, vibrations, water, gases, oils, hydrocarbons and many other chemicals. The lubricating properties of Hylogrip HY5172 are due to the PTFE content of the products and can considerably ease torque-up of threaded joints.

Physical Properties, Uncured Product

Class of Locking (DIN 30661)	**1 (low strength – easy to dismantle)**
Composition	**Anaerobic Methacrylate PTFE Modified**
Colour	**White opaque liquid**
Viscosity	**16000 cps**
Specific Gravity	**1.19**
Max Thread size	**M36**
Max Gap Fill	**0.2mm**
Flash Point	**> 100°C**
Solvent Content	**None**
Shelf Life at 25°C	**1 Year**

Cured Product

Handling Cure Time	**30 – 120 mins**
Functional Cure Time	**3 – 6 hours**
Full Cure Time	**24 hours**
Breakaway Torque	**5 N/M**
Prevailing Torque	**7 N/M**
Temperature Range	**-55 to +150°C**

Instructions for Use

For best results ensure the surfaces to be sealed are clean, dry and free from contamination such as oil or grease. Surfaces may be cleaned using a suitable solvent such as acetone. Sufficient product to fill the threads should be applied before assembly. Any accessible residue can be easily wiped away using acetone.

The joint should be left undisturbed for about one hour, after which it can be safely handled. Full joint strength is achieved after twenty-four hours, although under certain circumstances pressure testing may be carried out earlier than this.

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When a more rapid cure is required, or when used on non-metallic components, a layer of Hylomar Anaerobic Primer should be applied to one of the surfaces to be bonded, and allowed to dry (which only requires a few minutes), assembly is then as before.

Typical applications

Hylogrip HY5172 thread sealant may be used as a sealing and locking compound on all types of pipe threads. The product is superior to P.T.F.E. tape, which can become detached and cause operating problems in control systems requiring a high level of particulate cleanliness.

Hylogrip HY5172 has proved extremely effective on stainless steel pipe threads, operating successfully where other compounds of this type have failed to perform satisfactorily. This makes them particularly useful in the construction of hydraulic control systems for the offshore industry, where stainless steel pipework and components are widely used and joint integrity is vital.

Because the compound cures within the joint, it not only prevents leakage from within the pipework, but also excludes the surrounding environment from the joint surface. This helps to reduce the likelihood of crevice corrosion taking place, especially where the joint is immersed in sea water.

Handling & Safety Properties

Please see the product safety data sheet.

Packages

Hylogrip HY5172 is available in 50ml and 250ml bottles. For full details please contact our Sales department

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