

HYLOMAR M

Description

Hylomar M is a highly engineered, polyester-urethane based non-setting and non-hardening gasketing compound.

The compound is resistant to a wide range of fluids including industrial fuels, oils, water and brine, air, turbine and piston engine combustion products, water, water/glycol and methanol mixtures, petroleum and synthetic diester lubricating oils, gasoline and kerosene fluids (Avtur and Avcat) and fluorocarbon refrigerants.

Hylomar M can operate at temperatures between -50°C and up to $+250^{\circ}\text{C}$.

Hylomar M can be used to seal both joint surfaces and threaded parts.

Typical Properties

Hylomar M	Light Grade	Medium Grade	Heavy Grade
Film Thickness	0.015 mm	0.03 mm	0.09 mm
Surface Finish Max	2.0 μm	3.0 μm	3.5 μm
Area covered by 80 mls	2.25 M²	1.36 M²	0.67 M²
Product coverage after drying	2 mg/cm²	4 mg/cm²	12 mg/cm²

Instructions for use

The joint faces should be clean and dry. Both faces should then be coated with a thin even film of the product, and the solvent allowed to evaporate. The components can then be assembled. Since Hylomar M is non-setting, once applied to the faces of the component, immediate assembly is not required. Due to the nature of Hylomar M, re-torquing of assembled components may be required.

For stud loading, torque to required figure, allow compound to settle for a few minutes, then re-torque.

Hylomar M can be removed from dismantled components by rubbing with a cloth soaked with Acetone. No scraping is necessary.

Typical Applications

Hylomar M enables the effective sealing of metal to metal and plastic to plastic components. Typical applications include water and oil pumps, instrument inspection covers, cylinder heads and sumps, coating pre-formed gaskets, weather proofing motors and outdoor high voltage circuit breakers inlet manifolds, timing case covers, oil pump joints, gear box and transmission components and thread sealing. It has also been successfully used in the assembly of gas turbines, water cooled generators and turbo vacuum systems. There is no staining of copper and silver, etc., from traces of volatiles at elevated temperature, and is therefore suitable for joints, and threads in close proximity to switch mechanisms.

Information given in this publication is based upon technical data gained in our own and other Laboratories and is believed to be true. However the material is used in conditions beyond our control thus we can assume no liability for results obtained or damages incurred through the application of the data present herein.

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Hylomar M is harmless to joint materials. It is equally suitable for use as a gasket dressing and for metal to metal application.

Light grade: inlet manifolds, timing case covers, oil pump joints, gearbox and transmission components, thread sealing and any finely machined surface.

Medium grade: water and oil pumps, instrument inspection covers, cylinder heads, sumps and most machined surfaces.

Heavy grade: gas turbines, water cooled generators, turbo vacuum systems, gearboxes and most rough machined surfaces.

Handling and Safety Properties

Hylomar M is Highly-flammable

Product contains Acetone

Labelling = Highly Flammable. Irritant

Risk phrases, R11, R36, R66, & R67.

Safety phrases, S2, S9, S16 and S26.

Once the Acetone has evaporated, Hylomar M may be regarded as non-flammable.

Storage Precautions

Store in a cool, dry place between 5°- 25°C with adequate ventilation

The shelf life is 2 years when stored in the original unopened containers as detailed above, for all tubes, cartridges, and lever lid tins.

Packaging

Hylomar M is available in 40 ml and 80 ml tubes, 1 litre tins and 300 ml cartridges.

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