

HYLOMAR AEROGRADE (PL32)

Aerospace version of Universal Blue

Description

Hylomar Aero Grade is a highly engineered, polyester-urethane based non-setting and non-hardening gasketing compound, for use in the aeronautical industry. Hylomar Aerograde was developed in conjunction with Rolls Royce - Aerospace Division for sealing joints in jet turbine engines. Hylomar Aero Grade can operate at temperatures from approximately -50°C to $+250^{\circ}\text{C}$.

Typical Properties

LIGHT GRADE	
Film Thickness	0.015 mm
Surface Finish Max	2.0 μm
Area covered by 100 g	1.875 m^2
Product coverage after drying	2 mg/cm^2
MEDIUM GRADE	
Film Thickness	0.03 mm
Surface Finish Max	3.0 μm
Area covered by 100 g	1.275 m^2
Product coverage after drying	4 mg/cm^2
HEAVY GRADE	
Film Thickness	0.09 mm
Surface Finish Max	3.5 μm
Area covered by 100 g	0.56 m^2
Product coverage after drying	12 mg/cm^2

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 are then assembled. Since Hylomar Aero Grade is non-setting, once applied to the faces of the component, immediate assembly is not required. Due to the nature of Hylomar Aerograde, 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 Aero Grade can be removed from dismantled components by rubbing with cloth soaked with Easy Clean Solvent or alternatively Hylomar Gasket Remover. No scraping is necessary.

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.

Hylomar Ltd, Cale Lane, Wigan WN2 1JT UK Tel: +44 (0) 1942 617000 Fax: +44 (0) 1942 617001	Revision date	19 09 02	Page 1 of 2
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Typical Applications

Hylomar Aero Grade is resistant to air; turbine and piston engine combustion products; water; glycol/water and methanol/water mixtures; petroleum and synthetic diester lubricating oils; gasolines and kerosene fluids (both Avtur and Avcat) and fluorocarbon refrigerants.

It is harmless to joint face materials. Traces of volatiles produced at elevated temperatures do not stain copper or silver, therefore, Hylomar Aero Grade is suitable for joints and threads in close proximity to switch mechanisms etc. It is equally suitable for use as a gasket dressing and for metal to metal application.

Hylomar Aero Grade has been tested, approved and is in use by, National Power/ Powergen. 15/53/181. NCB Vocab No 13.82.0414.0303.16423. British Rail catalogue No 9/2/31138 & 31140. MOD A.F.S. 147 D.T.D. 900/4586B. Hylomar Aero Grade also meets the BASEEFA requirements for flame proof joints.

Handling and Safety Properties

The compound is non-flammable.

Product contains Dichloromethane.

Labelling = = Harmful cat 3. Phrases R40, S2, S24/25 & S36/37.

Shelf life of Hylomar AeroGrade is 24 months minimum.

Packaging

Please contact our sales department for details.

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