HYLOMAR when performance really counts™

TECHNICAL DATA SHEET

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°C.

Typical Properties

LIGHT GRADE	
Film Thickness	0.015 mm
Surface Finish Max	2.0 µm Ra
Area covered by 100 g	1.875 m²
Product coverage after drying	2 mg/cm²
MEDIUM GRADE	
Film Thickness	0.03 mm
Surface Finish Max	3.0 µm Ra
Area covered by 100 g	1.125 m²
Product coverage after drying	4 mg/cm²
Heavy GRADE	
Film Thickness	0.09 mm
Surface Finish Max	3.5 µm Ra
Area covered by 100 g	0.56 m²
Product coverage after drying	12 mg/cm²

Instructions for use

The joint faces should be clean and dry. For best results 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 or Hylomar Grand Prix wipes. No scraping is necessary.

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 some fluorocarbon refrigerants.

It is harmless to most 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, MOD A.F.S. 147 D.T.D. 900/4586B, Rolls Royce MSRR 9055. The N.A.T.O. stock number for Aero Grade Medium is 8030-99-220-2370. Heavy Grade is, 8030-99-224-5078

Handling and Safety Properties

The compound is non-flammable.
Product contains Dichloromethane.
Labelling: Harmful carc cat 3. Phrases R40, S2, S23, S24/25 & S36/37.

Observe normal standards of industrial hygiene for handling chemicals. Avoid contact with skin & eyes. Avoid breathing vapours.
Storage Precautions: Store in a cool, dry place between 5°- 25°C with adequate ventilation.
In climates where temperatures are likely to exceed 25ºC we strongly recommend that the customer buy cartridges rather than tubes.

Other Information: Shelf life is 2 years when stored in original unopened containers as detailed above

N.B. After filling, subsequent handling of the tube causes minor indentations. This may cause the contents to be under a slight pressure. Care should be exercised when initially opening the tube as a small of product may spurt out.

Packaging

Please contact our sales department for details.