

## HYLOMAR GASKET 2000

Anaerobic curing flexible gasket compound

### Description

Hylomar Gasket 2000 is a formed in place (FIP) single component anaerobic curing flexible sealant, which cures in the joint to form a flexible plastic seal. The product is designed to replace traditional solid gaskets.

The thixotropic properties of Hylomar Gasket 2000 prevent migration of the sealant before or during curing. Once cured the compounds are resistant to shock and vibration from  $-50^{\circ}\text{C}$  to  $150^{\circ}\text{C}$ .

### Physical Properties, Uncured Product

<b>Composition</b>	<b>Anaerobic Methacrylate</b>
<b>Colour</b>	<b>Ivory - cream</b>
<b>Viscosity @ 25°C</b> <b>Brookfield Spindle 6 @ 20rpm</b>	<b>85,000 + or - 15,000 cps</b>
<b>Max diameter of thread/gap filling</b>	<b>0.50 mm (if used with primer)</b>
<b>Solvent content</b>	<b>None</b>
<b>Specific Gravity g/ml @ 25°C</b>	<b>1.04</b>
<b>Flash Point</b>	<b>&gt;100°C</b>
<b>Shelf Life @ 25°C</b>	<b>1 Year</b>

### Cured Product

<b>Average Cure Time</b>	<b>1 hour</b>
<b>Functional Cure Time</b>	<b>3-6 hours</b>
<b>Full Cure Time</b>	<b>24 hours</b>
<b>Elasticity</b>	<b>82%</b>
<b>Shear Strength (DIN 54452)</b>	<b>4 - 7 N/mm</b>
<b>Tensile Strength</b>	<b>2.5 - 4 N/mm</b>
<b>Shock strength</b>	<b>2 - 4 N/mm</b>
<b>Temperature Range</b>	<b>-50°C + 150°C</b>

### Instructions for Use

Hylomar Gasket 2000 should be applied to a clean and dry metal surface. The compound may be dispensed by hand from a cartridge or concertina packs. Automated application is also widely used via a xy plotter, robot arm or via a silk screen printer. Once applied the joint should be assembled without undue delay. Any excess compound can be easily wiped off external surfaces using a clean cloth soaked in Acetone, or other suitable solvents.

If joints are dismantled for service or repairs, the cured product can be easily removed and surfaces cleaned for fresh application by using a clean cloth soaked in Acetone, or other suitable solvents.

Hylomar Ltd, Cale Lane, Wigan WN2 1JT UK Tel: +44 (0) 1942 617000 Fax: +44 (0) 1942 617001	Revision date	25.05.2010	Page 1 of 2
	Product name	Hylomar Gasket 2000 issue 3	

### Typical Application

Typical applications include structural gasketing of engines and transmission components and for general engineering uses. Hylomar Gasket 2000 will seal against gases, water, LPG, hydrocarbons, oils and many other chemicals.

### Handling and Safety Properties

Risk Phrases: R43 and R36/37/38.

Safety Phrases: S24/25, S26 and S37/39.

For further information please refer to the Safety Data Sheet.

### Packaging

Hylomar Gasket 2000 is available in 100ml concertina packs, 300ml cartridges and 5 litre containers.

Hylomar Ltd, Cale Lane, Wigan WN2 1JT UK Tel: +44 (0) 1942 617000 Fax: +44 (0) 1942 617001	Revision date	25.05.2010	Page 2 of 2
	Product name	Hylomar Gasket 2000 issue 3	