

## MOL-GREASE FLUOR 5000

### Product Description:

**MOL-GREASE FLUOR 5000** is a very special fluorinated grease based on Perfluoropolyether (PFPE) synthetic base oil and Polytetrafluoroethylene (PTFE) thickener. It shows superior performance in the most demanding conditions. Due to its nature, it does not react with oxygen thus not burn. It is resistant to all kinds of chemicals, acids, alkalis, solvents and their vapors. Mainly used in the areas where other hydrocarbon and synthetic greases cannot obtain a positive result. It is the only grease which can operate at higher 250°C in the rolling bearings.

### Features:

- Superior anti-rust, anti-wear and extreme pressure properties.
- Outstanding lubrication performance.
- Exceptional resistance to oxidation and radiation.
- Not reactive to oxygen, not flammable.
- Excellent stability even in presence of aggressive chemicals.
- Non-dropping structure.
- Very good adhesiveness to metal surfaces.
- Shows sealing effect at the bearings.

### Applications:

**MOL-GREASE FLUOR 5000** is a non-toxic grease compatible with plastics, elastomers and rubbers. It is especially used for the lubrication of bearings and joints exposed to extreme conditions in areas with high temperatures such as drying units, ovens and stabilization tunnels. It is widely employed in the glass, chemical, plastic, nuclear, textile, aviation, aluminium, corrugated cardboard and oxygen-equipped industries.

### Health, Safety and Environment:

- Normal safety precautions (gloves and safety goggles) Should be employed
- Avoid eye and prolonged skin contact.
- Wash thoroughly after handling material.
- Don't discharge used oil in drains, dispose to an authorized used oil collection point
- For more information, please see the Material Safety Data Sheet (MSDS).

### Storage Conditions:

- Should be stored sealed under normal conditions.
- Shelf life in original package and at room temperature is 2 years

### Packing Available in:

- 800 G            - 1 Kg.
- 4Kg.            - 25 Kg.

## Physical and Chemical Conditions:

<b>MOL-GREASE FLUOR 5000</b>	<b>Test Method</b>	<b>Value</b>
Appearance	Visual	White Grease
Density @ 20°C, g/cm <sup>3</sup>	ASTM D 1298	1.96
NLGI No	-	2
Thickener Type	-	PTFE
Base Oil Type	-	PFPE
Base Oil Kinematic Viscosity @ 40°C, cSt	ASTM D 445	440
Worked Penetration @ 25°C, 0,1 mm	ASTM D 217	265-295
Dropping Point, °C	ASTM D 566	Non-Dropping
Bearing Rust Test @ 52°C	ASTM D 1743	Passes
Copper Strip Corrosion @ 24 hr & 100°C	ASTM D 4048	1a

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