

## **MOLYguard DMP PTFE**

*Silicone grease to PTFE for plain and rolling bearings*

MOLYGUARD DMP PTFE is a grease that consists of medium viscosity silicone oil thickened with PTFE. It is suitable for the lubrication of plain or rolling bearings operating in a wide temperature range and at moderate pressures; it also possesses high resistance to water washout.

### **Characteristics:**

MOLYGUARD DMP PTFE is characterized by performances that make it suitable for the applications requiring the grease which has:

- Good ability to work in adverse environments;
- superior resistance to hot or cold water;
- excellent resistance to water vapour, up to 130°C;
- very high adhesion (it is advisable to first clean the contacting parts with white spirit);
- ability to operate in a wide temperature range;
- toxicity in respect of foods and beverages.

### **Uses:**

MOLYGUARD DMP PTFE can be used in food, pharmaceutical, textile, paper and wood industries for the following:

- lubrication of organs operating in a wide temperature range at moderate pressures;
- lubrication of rolling bearings operating at high or low temperatures, from -50°C up to +200°C;
- lubrication of plain bearings, with the possibility of contact metal - metal;
- help to the assembly of rubber components;
- resistance when operating in aggressive environments;
- lubrication of components where there is a risk of accidental contact with a food or beverage.

### **Warnings:**

It is advisable to check the compatibility with the materials that it will be in contact.

This product does not resist to most organic solvents, strong acids and alkaline solutions.

**MOLYguard DMP PTFE is registered under category H<sub>1</sub>.**



<b>Physical characteristics</b> (not a specification)			
	<b>METHOD</b>	<b>UNIT OF MEASURE</b>	<b>VALUE</b>
<b>NSF Registration Number</b>			<b>150700</b>
Colour	Visual		whitish
NLGI consistency	ASTM D 217		2
Penetration at 25°C	ASTM D 217	1/10 mm	265-295
Thickener			PTFE
Drop point	ASTM D 566	°C	> 250
Density at 20°C	ASTM D 1298	g/cm <sup>3</sup>	1,250
Base silicone oil Viscosity at 25°C	ASTM D 445	mm <sup>2</sup> /s	200
Speed factor	N x dm	mm/gmin	200.000
Corrosion protection (EMCOR TEST), 1 week with distilled water	DIN 51502	Corrosion Grade	< 1
Water Resistance	DIN 51807 3h/90°C	Merit	< 1-90
Operating temperature range		°C	-50+200