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Specialty Lubricants from TECCEM

Data Sheet M 50/2

Synthetic High Temperature Grease

Fluoronox M 50/2 is a chemically inert grease. It has been formulated from a high viscosity Perfluoropolyether and micronized PTFE. The high thermal stability and the low volatility of the base fluid makes it suitable for long time lubrication from -15°C to +280°C.

Fluoronox M 50/2 is odourless, non-flammable, oxidation resistant, free of carbonising substances, free of substances that can build solid or rubber-like residues. It is resistant to water, strong acids, watery alkalis and most organic solvents.

Typical applications of Fluoronox M 50/2 include lubrication of ball and roller bearings at high temperatures, lubrication of highly loaded metal parts, O-Rings.

Fluoronox M 50/2 is NSF H1 registered to meet applications in the food industry.

Typical technical data

Product Name	Fluoronox M 50/2
Penetration [mm/10]	265-295
Pour Point, of base fluid °C	-20
Viscosity Index of base fluid	135
Density [g/ml] @20°C (68°F)	1.92
Flash Point	none, non-flammable
Colour	white
Base Fluid	Perfluoropolyether

Thickener	PTFE
Base Fluid Viscosity [mm ² /s]	
@20°C (68°F)	1850
@40°C (104°F)	510
@100°C (212°F)	47
Vapour pressure [Torr] @20°C (68°F)	3.0 x 10 ⁻¹²
Evaporation Loss of base fluid, [%] in 22h @204°C	0.8
Recommended temperature range [°C] long time lubrication	-15/+280
Containers	250 g Jar 800 g Cartridge 1 kg Jar 10 kg Pail 45 kg Pail