



Product Data

Optimol Inertox

A Chemically and Thermally Stable Range of High Temperature Greases

Description

The **Optimol Inertox** range is a chemically and thermally stable range of high temperature greases on a fully synthetic basis. They are universally applied for long-term lubrication of rolling and sliding bearings, especially when exposed to hostile ambient conditions, or extreme oxidative environments.

Features

Optimol Inertox is non-flammable.

Inert, also suited for oxygen fittings.

Resistant to –

Hot and cold water oils, oil-in-water emulsions.

Inorganic and organic acids and alkaline solutions.

Solvents based on hydrocarbons, e.g. naphtha, benzene, toluol, paraffin, etc.

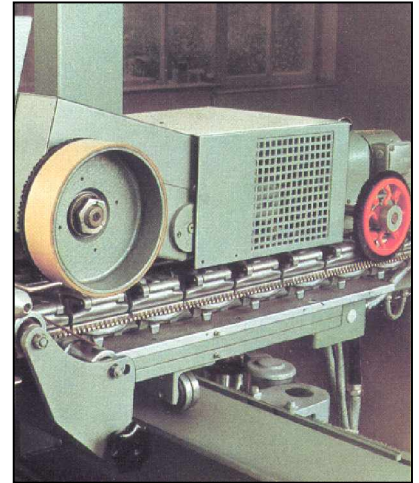
Solvents based on chlorinated hydrocarbons, e.g. trichloroethylene (TRI), perchloroethylene (PER), dichloromethane (methylene chloride), etc.

Alcohols, ketones (acetone), halogens.

Radioactive radiation (gamma rays).

Temperature application range:

35°C/-31°F to +260°C/+500°F (at higher operating temperatures adequate ventilation must be ensured).



Textile Stenter Frame Chains

Benefits

Excellent thermal stability.

High wear protection and good load-bearing capacity.

Good corrosion protection.

Pumpable in central lubrication systems.

Applications

For rolling and sliding bearing with extremely extended relubrication intervals such as in:

Film stretching machines;

Stenter frames for textiles; and

Oven carriages in the ceramics industry.

For high temperature lubrication of rolling and sliding bearings.

Under hostile ambient conditions.

Optimol Inertox Heavy is USDA H2 authorised and therefore suited for applications in the food and beverage industries.

PLD 1472/00

Bulk Item Code – 113150 – Optimol Inertox Fluid

Bulk Item Code – 107444 – Optimol Inertox Medium

Bulk Item Code – 107447 – Optimol Inertox Heavy

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For use in oxygen environments, where mineral oil products may cause explosions.

Recommendations

Optimol Inertox Medium, Inertox Heavy and Inertox Fluid must not be mixed with other lubricants.

Clean the lubrication surfaces thoroughly with, for e.g. petroleum ether before application.

To remove Inertox from surfaces, use a perfluorinated solvent such as **Fluroclean X-100**.

Typical Data

	Unit	Value			Test Method
		FLUID	MEDIUM	HEAVY	
INERTOX	-	FLUID	MEDIUM	HEAVY	-
Article no.	-	09427	08007	08021	-
Colour	-	White			Visual
Base	-	PTFE/Synthetic Oil			-
Consistency/NLGI	-	0	2	2	DIN 51818
Density at + 20°C/+ 68°F	g/cm ³	1.92	1.97	1.93	DIN 51757
Worked penetration	0.1mm	355 - 385	265 - 295	265 - 295	DIN ISO 2137
Base oil viscosity at +40°C/ + 104°F	Mm ² /s	500	500	148.5	DIN 51562
Dropping Point	°C/°F	None	None	None	DIN ISO 2176
Water resistance at + 90°C/+ 194°F	-	0	0	0	DIN 51807 T.1
Corrosion protection (SKF Emscor)	-	0	0	0	DIN 51802

These technical data are based on average test results. Minor deviations may occur from case to case.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Industrial Australia Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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