



## Product Data

# CASTROL INERTOX

Fully synthetic high-temperature greases

### **DESCRIPTION**

CASTROL INERTOX are chemically and thermally stable high-temperature greases on a fully synthetic basis. There are universally applied for long-term lubrication of rolling and sliding bearings especially when exposed to hostile ambient conditions.

### **APPLICATIONS**

- For rolling and sliding bearings with extremely extended relubrication intervals such as in:
  - film stretching machines
  - tenter frames for textiles
  - oven carriages in the ceramics industry
- For high-temperature lubrication of rolling and sliding bearings
- Under hostile ambient conditions
- Pumpable in central lubrication systems
- CASTROL INERTOX HEAVY is USDA H2 authorized and therefore suited for applications in the food and beverage industries
- Temperature application range: -35°C/-31°F to +260°C/+500°F (at higher operating temperatures adequate ventilation must be ensured!)

### **ADVANTAGES**

- excellent thermal stability
- high wear protection and good load carrying capacity
- good corrosion protection
- non-flammable
- inert
- CASTROL INERTOX MEDIUM is approved for the application in oxygen fittings
- CASTROL INERTOX MEDIUM and INERTOX MEDIUM 150 are approved for gas devices (DVGW)
- 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)

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All reasonable care has been taken to ensure that the information contained in this publication is accurate at the date of printing. It should be noted however that the information may be effected by changes subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such Products



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## Product Data

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### Technical data

	Unit	Value				Test method
		FLUID	MEDIUM	MEDIUM 150	HEAVY	
<b>CASTROL INERTOX</b>	-	<b>FLUID</b>	<b>MEDIUM</b>	<b>MEDIUM 150</b>	<b>HEAVY</b>	-
Color	-	white				visual
Base	-	PTFE/synthetic oil				-
Consistency/NLGI grade	-	0	2	2	2	DIN 51818
Density at + 20°C/+ 68°F	kg/m <sup>3</sup>	1920	1970	1914	1930	DIN 51757
Worked penetration	0.1 mm	355 – 385	265 – 295	270 - 290	265 - 295	DIN ISO 2137
Base oil viscosity at + 40°C/ +104°F	mm <sup>2</sup> /s	500	500	160	148.5	DIN 51562
Dropping point	°C/°F	none	none	none	none	DIN ISO 2176
Water resistance at + 90°C/+ 194°F	-	0	0	0	0	DIN 51807 T. 1
Corrosion protection (SKF Emcor)	-	0	0	0	0	DIN 51802

1 mm<sup>2</sup>/s  $\hat{=}$  1cSt

These technical data are based on average test results. Minor deviations may occur from case to case. For further product information please contact the Technical Service or Castrol Industrie GmbH.

### **NOTES FOR USE**

- CASTROL INERTOX MEDIUM, INERTOX MEDIUM 150, INERTOX HEAVY and INERTOX FLUID must not be mixed with other lubricants.
- Clean the lubrication surfaces thoroughly with e.g. petroleum ether before application. For removing, cleaning and dispersing of CASTROL INERTOX greases we recommend CASTROL INERTOX SOL.

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