



Product Data

## Braycote™ Inertox 2

Fully Synthetic High-temperature Grease

### Description

Castrol Braycote™ Inertox 2 (previously called Castrol Inertox™ Heavy) is chemically and thermally one of the most stable lubricants in the Castrol range.

Formulated from an advanced synthetic fluid and thickened with a non soap base which is temperature stable and fortified with a blend of additives and lubricating solids for exceptional wear protection.

### Application

Braycote Inertox 2 is designed for universal long-term application in anti-friction and plain bearings under hostile ambient conditions. Inert to most corrosive and/or other aggressive media.

For rolling and sliding bearings with extended re-lubrication intervals, high temperatures or under hostile ambient conditions such as in:

- Paint drying lines
- Film stretching machines
- Tenter frames for textiles
- Oven carriages in the ceramics industry

For lubrication of seals and friction points inside high vacuum chambers, such as found in the electronics industry.

Temperature application range: -25°C/-13°F to +260°C/+500°F (at higher operating temperatures adequate ventilation must be ensured).

### Advantages

- Excellent thermal and chemical stability – ensures the grease can operate in adverse applications and is resistant to:
  - hot and cold water, oils, oil-in-water emulsions
  - inorganic and organic acids, 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)
- High wear protection, excellent lubricating capabilities, good load carrying capacity, outstanding pressure resistance
  - leads to longer bearing life, extended lubrication cycles and uninterrupted service
- Extremely low evaporation loss in vacuum systems- ensures continual lubrication
- Non-flammable – grease can be exposed to extreme conditions ensuring safe use
- Good corrosion protection – helps prevent rust and oxidation on metal surfaces

## Typical Characteristics

Name	Method	Units	Braycote Inertox 2
Appearance	Visual	-	White
Thickener Type	-	-	PTFE
Base Oil Type	-	-	PFPE
NLGI Grade	-	-	2
Density @ 20 °C/68 °F	Inhouse method	kg/m <sup>3</sup>	1930
Worked Penetration, 60 Strokes @ 25 °C/77 °F	ASTM D217/ISO 2137	0.1mm	265 - 295
Dropping Point	ASTM D2265	°C/°F	None
Base Oil Viscosity @ 40 °C/104 °F	ASTM D445/ISO 3104	mm <sup>2</sup> /s	150 (*)
Corrosion Protection (SKF Emscor)	ASTM D6138/ISO 11007	Rating	0/0
Water Resistance, 90 °C/194 °F	DIN 51807-1	Rating	0
Vapour Pressure Base Fluid @20 °C/68 °F	-	hPa	10
DIN Classification	DIN 51502	-	KFK 2 U-25
ISO Classification	ISO 6743/9	-	L-XCGHA-2

Subject to usual manufacturing tolerances. \* Fresh product, at temperatures above 100°C viscosity will increase gradually up to 500 mm<sup>2</sup>/s.

## Additional Information

- Braycote Inertox 2 should not be mixed with other greases or oils
- Clean the lubrication surfaces thoroughly with e.g. petroleum ether before application

**This product was previously called Inertox Heavy. The name was changed in 2015.**

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