

Braycote™ Inertox Range

Fully Synthetic High-temperature Greases

Description

Castrol Braycote™ Inertox Range (previously called Castrol Interlox™ Range) are chemically and thermally stable 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. The range consists of Braycote Inertox 400-1 (previously called Inertox Light), Braycote Inertox 500-2 (previously called Inertox Medium), Braycote Inertox 240-2 (previously called Inertox Medium 150) and Braycote Inertox 2 (previously called Inertox Heavy).

Application

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

Conditions of Use

Braycote Inertox Range must not be mixed with other lubricants.

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

Advantages

- Excellent thermal stability.
- High wear protection and good load carrying capacity.
- Good corrosion protection.
- Non-flammable.
- Inert
- Braycote Inertox 500-2 and Braycote Inertox 240-2 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)

Typical Characteristics

Name	Method	Units	Inertox 440-1	Inertox 500-2	Inertox 240-2	Inertox 2
Colour	Visual	-	White	White	White	White
Base oil	-	-	PTFE / Synthetic Oil	PTFE / Synthetic Oil	PTFE / Synthetic Oil	PTFE / Synthetic Oil
Density @ 20°C / 68°F	ASTM D4052	kg/m ³	1930	1970	1914	1930
Worked Penetration (60 strokes @ 25°C / 77°F)	ASTM D217 / ISO 2137	0.1 mm	330 - 350	265 - 295	270 - 290	265 - 295
Base Oil Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	440	500	160	148.5
Water Resistance	DIN 51807-1	Rating	0	0	0	0

Subject to usual manufacturing tolerances.

The products were previously under Castrol Inertox Range name . The name was changed in 2015.

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