



Product Data

Braycote™ 2115 Range

High temperature greases

Description

Castrol Braycote™ 2115 (previously called Molub-Alloy™ 2115) is a range of greases which are thermally stable, high temperature synthetic bearing lubricants. The products are formulated from an advanced synthetic fluid and thickened with a temperature stable non-soap base. Braycote 2115 contains lubricating solids for good wear protection and is designed to greatly extend service life and relubrication intervals in high temperature bearings, compared to conventional greases.

Application

Primarily developed for extended service in oven conveyor bearings, Braycote 2115 is recommended for bearings operating in paint drying ovens, textile tentering frames, and similar applications where minimum reapplication and drip-free performance is required.

Braycote 2115 can be used in continuous service at 250°C / 482°F and may be exposed to intermittent temperatures up to 280°C / 536°F. Forced draft ventilation should be used at temperatures exceeding 250°C / 482°F.

Braycote 2115 can be applied manually or with automatic dispensing equipment.

Advantages

- Thermally and chemically stable – high resistance to oxidation at high temperatures extends relubrication intervals without undue risk of under lubrication, lubrication starvation or an increase in power draw
- Virtually inert below 300°C / 572°F - resists the thickening and hardening that is typical of petroleum greases in high temperature service
- Even at high temperatures (refer the Application section), Braycote 2115 is resistant to most non-fluorinated solvents and most chemicals, including strong acids, alkalis and oxidising agents
- Low volatility - does not volatilise readily at high temperatures and/or when exposed to high vacuum

Typical Characteristics

Name	Method	Units	2115-0	2115-2
Appearance	Visual	-	White	White
Thickener type	-	-	PTFE	PTFE
Base oil	-	-	PFPE	PFPE
Consistency	ISO 2137/ASTM D217	NLGI Grade	0	2
Density @ 20 °C/68 °F	IP 530	kg/m ³	1970	1990
Unworked Penetration (@ 25 °C/77 °F)	ISO 2137/ASTM D217	0.1 mm	355 - 385	265 - 295
Base Oil Viscosity @ 40 °C/104 °F	ISO 3104/ASTM D445	mm ² /s	510	510
Base Oil Viscosity @ 100 °C/212 °F	ISO 3104/ASTM D445	mm ² /s	46	46
Base Oil Viscosity @ 200 °C/392 °F	ISO 3104/ASTM D445	mm ² /s	6.5	6.5
Copper Corrosion (24 hrs, 100 °C/212 °F)	ASTM D4048	Rating	-	1b
Evaporation Loss (24 hrs @ 232 °C/450 °F)	DIN 58397	%wt	-	1.0
Flash Point Base Oil - open cup method	ISO 2592/ASTM D92	°C/°F	None	None
Pour Point Base Oil	ISO 3016/ASTM D97	°C/°F	-20/-4	-20/-4

Subject to usual manufacturing tolerances.

Additional Information

Braycote 2115 should not be mixed with other greases or oils. Please contact your local Technical Services team for further information.

Braycote 2115 has a very low order of toxicity at room temperature with no significant irritation to skin or eyes.

Above +250 °C / 482°F, the use of forced draft ventilation is strongly recommended due to possible decomposition causing toxic and/or acidic vapours.

Due to Braycote 2115's excellent resistance to ordinary cleaners and solvents, some industrial cleaners (fluorinated solvents) can provide a more effective clean-up solution.

This product was previously called Molub-Alloy 2115. The name was changed in 2015.

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