

Optitemp™ 9890

Special purpose grease

Description

Castrol Optitemp™ 9890 (previously called Molub-Alloy 9890-2) is a premium synthetic lubricant which is especially recommended for the lubrication of plastic parts where minimum applications of lubricants is required.

Optitemp 9890 is a special purpose grease formulated from an advanced synthetic fluid and a thermally stable, non-soap base thickener. A blend of additives and lubricating solids ensure wear protection, therefore enabling long life of components.

Application

Optitemp 9890 is especially suited to the lubrication of thermoplasts and duroplasts.

It may be used in continuous service from -45°C to 100°C (-49°F to 212°F) and can be exposed to temperatures up to 120°C (248°F) intermittently.

Advantages

- Excellent lubricating properties for the lubrication of plastic parts and components
- Thermal and chemical stability
- Resistant to most solvents, including chlorinated hydrocarbons, strong acids, alkalis and oxidizing agents e.g. natural gas, Benzene, Petroleum Ether, Benzol, Toluol, Cyclohexane, Dioxan, Tetrahydro-furane, Ethylene Acetate, Acetone, Chlorobenzene, Tetrachlormethane, Trichlorethylene, Halogens, Potassium Hydroxide, Hydrochloric, phosphoric sulphuric and nitric acids (*)
- Compatible with most sealing materials, including: NBR, EPDM, NR, MWQ, PVMQ, PUR, PTFE (*)
- The following plastics are compatible with Optitemp 9890: PVC, PS, PC, PMMA, PET, PE, PP, PA (*)
- Wide temperature application range
- Minimum consumption promotes economical use

(*) check compatibility with your Castrol Technical Services team before use

Typical Characteristics

Name	Method	Units	Optitemp 9890
Colour	Visual	-	white (opaque)
Unworked Penetration	ASTM D217/ISO 2137	0.1 mm	265 - 295
Thickener type	-	-	organic
Consistency	ISO 2137/ASTM D217/DIN ISO 2137	NLGI	2
Density	IP 530	kg/m ³	1970
Base Oil Viscosity @ 40 °C/104 °F	ASTM D445/ISO 3104	mm ² /s	22
Base Oil Viscosity @ 100 °C/212 °F	ASTM D445/ISO 3104	mm ² /s	3.9
Pour Point Base Oil	ASTM D97/ISO 3016	°C/°F	-45/-49

Subject to usual manufacturing tolerances.

Additional Information

Due to the excellent resistance to ordinary cleaners and solvents, clean-up may require use of special solvents (e.g. highly fluorated solvents).

Where lubricants may come into contact with products (e.g. food, textile), good effective sealing and handling procedures should be maintained.

This product was previously called Molub-Alloy 9890-2. The name was changed in 2015.

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