



PO ULTRA GREASE CS-2

Multipurpose Calcium Sulfonate Complex Grease

Definition

PO Ultra Grease CS-2 Calcium sulphonate for use in industrial applications developed with technology; It is a grease resistant to overload, high temperature and water washing.

Places of Use

PO Ultra Grease CS-2 can be used in many heavy industry applications. It is especially recommended for manual or centralized grease system applications where other greases cannot perform due to high temperature and water in the Iron-Steel and Paper industry. General usage areas; •

- Continuous casting lines
- Low speed industry applications exposed to high amounts of water, heat and load Ladle turret bearing
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- SDM bearings
- Rolling bearings
- Paper presses and rolls

Features and Benefits

- Calcium sulphonate provides protection against rust thanks to its thickening chemical structure and has extreme pressure (EP) properties.
- Compared to other soap-based thickeners, Petrol Ofisi Calcium Sulphonate Technology provides superior protection against rust and corrosion in water-saturated environments and extends the re-lubrication intervals.
- Petrol Ofisi Calcium Sulphonate Technology provides a much superior water washout and water spray resistance compared to standard greases, and provides superior wear protection by preserving its mechanical structure and EP properties even at high water mixture levels.
- It offers a wide operating temperature range thanks to its high dropping point properties. 180^{he} It can be used up to C max temperature.



Specifications and Approvals

- ISO 6743-9: L-XBFHB 2
- DIN 51 502: KP2R-20

Typical Features *

NLGI No.	-	2nd
Soap Type		Calcium Sulphonate
Working Range		- 20 °C - 180 °C
Base Oil Viscosity @ 40 °C, cSt	ASTM D-445	460
Penetration, Unprocessed, 25 °C	ASTM D-217	275
Penetration, Processed, 25 °C	ASTM D-217	271
Dropping Point, °C	ASTM D-566	320
Oil Separation, (40 °C, 42st), % wt. Timken	IP-121	4.5
OK, lb	ASTM D-2509	60
4 Ball Wear Diameter, mm, 400N, Boiling 60min	IP-239	0.5
Load, N	ASTM D-2596	6200
SKF, Emcor Rust Test Rust	DIN-51802	0
Test, (52 °C, 48st)	ASTM D- 1743	Passes
Water Resistance, 79 °C, 1h% wt. Penetration, 100.000 DS	ASTM D-1264	one
Machined, 25 °C Penetration (20% water), 1000.000 DS	ASTM D-217	269
Processed, 25oC	ASTM D-217	279
Penetration (40% water), 1000.000 DS Processed, 25oC	ASTM D-217	283
Water Spray (38 °C, 40 psi, 5 min)% wt.	ASTM D-4049	20

* Values may differ from production to production.