



POLYFLEX-672

Description

Premium quality Polyflex-672 contains polyures thickeners, highly refined paraffinic base oil, EP agents and a special combination of synthetic tackiness agents. These agents allow maximum tackiness with a wide temperature range for high and low temperature performance.

Operational Benefits

- * Adheres tenaciously to metal surfaces
- * Resists spin –off
- * Excellent rust protection
- * Oxidation resistance
- * Extreme Pressure Properties
- * Dropping Point 500 °F
- * Water Resistant
- * Balanced Lubrication Protection

Applications

Polyflex-672 a tacky texture provides protection against water wash off. Polyflex-672 also contains a strong rust inhibitor package, which gives rust protection even in the presence of salt and other corrosive agents. This property is shown by the ASTM D-1743 bearing protection test run with synthetic seawater.

Polyflex-672 is designated to provide tenaciously adhering extreme pressure grease with water resistance and outstanding rust protection properties. These characteristics make it the grease of choice for heavy-duty construction equipment fifth wheel, chain drives, and other applications in which grease that clings to metal and resists spin-off is needed. These properties are given by a formulation balanced to provide good cold weather and high temperature performance. Can be used in both plain anti-friction bearings. Operating temperature range in –50 to 250 °F.

A partial list of applications is shown below:

Automotive Industry, trucks and buses treatment, marine conveyor systems, steel construction, cement, plastics, textile, towel, etc.

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POLYFLEX-672

Technical Data

<u>Characteristic</u>	<u>Method</u>	<u>Value</u>
Brand Number/ID		94115
ASTM/FM	NLGI Grade	2
Color		Beige
Texture		Tacky
Thickener Type		Polyurea
Cone Penetration, Worked, 60 stroke	ASTM D-217	289
Dropping Point °F	AFTM D-2265	500+
Dropping Point °C	AFTM D-2265	260+
Oil Leakage, 70 hrs wt %	AFTM D-321.2	
212 °F		2.1
300 °F		4.6 Bearing
Rust Protection	AFTM D-1743	
Distilled Water		Pass
3% Synthetic Sea Water		Pass
Water Washout, % loss, 175 °F	AFTM D-1254	8
4-Ball EP, Load Wear Index	AFTM D-2596	51
Last Non-Seizure Load, kg		100
Weld Load, kg		315
Timken, 40 lbs	AFTM D-2509	Pass
4- Ball Wear 1200 rpm, 75 C, 40 kg, mm	AFTM D-2266	0.60
Fretting Wear Test - Mg weight loss/bearing	AFTM D-4170	1.1
Low Temp, Torque, gm-cm	AFTM D-1478	
Starting -30 °F		7817
Running -30 °F		590
Starting -40 °F		12536
Running -40 °F		2210

Test results indicated above average values. Variations, which do not affect product performance, may occur.

ASTM - American Society for Testing Materials FTM - Federal Test Method

Too heavy to test at - 40 °F

Must not be mixed with conventional soap based greases

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This information and recommendations of this product are based upon laboratory tests and experience and to the best of our knowledge and belief are true and accurate. Since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty or implied.



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