

TECH DATA

PEERLESS™ POLY EMB GREASE

INTRODUCTION

Petro-Canada Lubricants' PEERLESS™ POLY EMB grease is a premium performance, long life multi-application grease formulated to reduce operating costs and provide long service protection over a wide range of operating temperatures. PEERLESS POLY EMB is a polyurea thickened grease specifically intended for high-speed ball and roller bearing lubrication in alternators, generators, starters, electric motors and other long life applications. PEERLESS POLY EMB is intended for applications where shock loading is absent and an extreme pressure (EP) grease is not required. In particular, PEERLESS POLY EMB is suitable for electric motor lubrication where EP additives are not recommended because of detrimental effects on motor windings.

FEATURES AND BENEFITS

Excellent thermal and oxidation stability provides long-lasting protection for high speed bearings

- High temperature grease life (ASTM D3336) performance for PEERLESS POLY EMB exceeds 750 hours at 350°F/177°C

Excellent resistance to water washout requires less re-greasing and maintenance

High mechanical stability in severe operating conditions

- PEERLESS POLY EMB can also lower maintenance costs as a result of reduced breakdowns under high shear conditions.

APPLICATIONS

PEERLESS POLY EMB is specifically intended for high-speed ball and roller bearing lubrication in alternators, generators, starters, electric motors, sealed for life and other long life applications.

TYPICAL PERFORMANCE DATA

Property	Test Method	PEERLESS POLY EMB Grease
NLGI Grade	D217	2
Thickener Type	–	Polyurea
Colour	PCM 264	Blue
Texture	PCM 264	Buttery
Penetration, Worked	ASTM D217	265 – 295
Water Washout, % @ 79°C/174°F	ASTM D1264	1.8
Dropping Point, °C/°F	ASTM D2265	301/574
Copper Corrosion	ASTM D4048	1B
Four Ball Wear scar diam, mm	ASTM D2266	0.43
Bearing Corrosion	ASTM D1743	Pass
Base Oil Viscosity cSt @ 40°C/SUS @ 100°F cSt @ 100°C/SUS @ 210°F	ASTM D445	96.2/575 21.1/68
Base Oil Viscosity Index	ASTM D2270	117
High Temperature Grease Life Test @ 10,000 RPM, 350°F (177°C), hours	ASTM D3336	>750
Temperature Range, °C Temperature Range, °F	–	-25 to 163 -13 to 325

The values quoted above are typical of normal production. They do not constitute a specification.

Learn more about us: lubricants.petro-canada.com
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Committed to the disciplined operation of our business.



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IM-8119E (2022.11)