



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
Color	PCM 264	Blue
Texture	PCM 264	Buttery
Penetration, Worked	ASTM D217	265 – 295
Water Washout, % @ 79°C/174°F	ASTM D1264	0.5
Dropping Point, °C/°F	ASTM D2265	301/574
Copper Corrosion	ASTM D4048	1A
Four Ball Wear scar diam, mm	ASTM D2266	0.43
Corrosion Protection	ASTM D1743	1,1,1 Pass
EMCOR Rust Test	ASTM D6138	0,0
Base Oil Viscosity cSt @ 40°C/SUS @ 100°F cSt @ 100°C/SUS @ 210°F	ASTM D445	110/575 12/68
Base Oil Viscosity Index	ASTM D2270	98
High Temperature Grease Life Test @ 10,000 RPM, 350°F (177°C), hours	ASTM D3336	>750
Temperature Range, °C Temperature Range, °F	-	-30 to 163 -22 to 325

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

To order product or to learn more about how Petro-Canada Lubricants can help your business visit: lubricants.petro-canada.com or contact us at: lubecsr@petrocanadalsp.com



IM-8119E (2018.05)

™ Owned or used under license.

Beyond today's standards.™

