



LUBRIPRO

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TECHNICAL DATA SHEET

LPSYN POLY 100



LPSYN POLY 100

POLYUREA GREASE STA

DESCRIPTION

LPSyn POLY - 100 is a high performance grease specially formulated for electric motor bearings. The advanced thickener formulation and proprietary manufacturing techniques provide better performance and greater bearing protection to extend the life of the electric motor.

LPSyn POLY-100 has demonstrated a high percentage improvement in bearing torque reduction in controlled laboratory tests.

APPLICATIONS

LPSyn Poly-100 is recommended by a large number of bearing and electric motor manufacturers for the long-term lubrication of ball and roller bearings.

LPSyn Poly-100 is a grease compatible with a wide range of greases and with competitive mineral-based polyurea products for electric motors, as per ASTM D6185 methodology. For specific questions regarding grease compatibility, please contact your Lubripro consultant.

Application :

Electric motor bearings Fan blade bearings
High temperature pump bearings Factory-lubricated ball bearings sealed for life
Bearings or ball bearings operating at high temperature
Roller bearings operating in noise-sensitive environments

FEATURES AND BENEFITS

LPSyn POLY-100 has the following features and benefits:

- Reduced bearing torque compared to conventional greases
- + Excellent resistance to water washout
- + Excellent corrosion resistance and rust protection
- + Improved performance at low temperatures compared to conventional greases
- + Noise reduction properties suitable for ball bearing lubrication in many noise sensitive applications
- Improved stability compared to conventional polyurea-based greases when subjected to mechanical shear forces
- + Long life, excellent high temperature lubrication of ball and roller bearings, especially in sealed-for-life applications up to 180 °C.

Specification and approval

This synthetic grease meets or exceeds the requirements
DIN 51825:2004-06 KHC2R-30

LUBRIPRO CANADA

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VISCOSITY OF SYNTHETIC LABEL FLUID E -- ISO - VG	100
FLUID VISCOSITY, ASTM D-445 : @ 40°C	87
FLUID VISCOSITY, ASTM D-445 : @ 100°C	11,1

PROPERTIES AND SPECIFICATIONS

CHARACTERISTICS	ASTM METHOD	AVERAGE RESULTS
CONSISTENCY GRADE --- NLGI		2
THICKENING		Stabilized Polyurea
TEXTURE		Creamy
COLOR		Green
DROP POINT, °C	D-2265	253
PENETRATION, DMM WORKED, 60X	D - 217	280
OIL SEPARATION, % MASS,	IP121	0,0
RUSTPROOFING, 5% SSW	D - 5969	Passed
CORROSION TO COPPER E BLADE	D - 4048	Succeeded - 1A
LOSS PER EVAPORATION, % WEIGHT	D - 972	0,4
COUPLE BASSET°, RRORCHE, -40°C, G-CM	D - 1 478	540
LOW TORQUE, START, -Æ "C, G-CM	D - 1 478	4780
TESTING O WORK @ 4 WRENCHES, MM	D - 2266	0,58

ABaque CALCULATION CURVE + VISCOSITY (cSt) VS TEMPERATURE (°C) (APPROXIMATE MEASUREMENTS)

FLUID VISCOSITY, ASTM D-445 (cSt) : @ 40°C	87
FLUID VISCOSITY, ASTM D-445 (cSt) : @ 100°C	11,1

TEMPERATURE (°C)	VISCOSITY (cSt)
40	87
50	60
60	41
70	29
80	22
90	16
100	11,1

Health and safety recommendations for this product can be found in the Material Safety Data Sheet (MSDS). It is available by contacting Lubripro Canada directly at

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