

ExxonMobil Unirex N 3

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

UNIREX N greases are premium-quality, lithium-complex products suitable for high-temperature service in rolling-element bearings. These versatile greases can be used in a wide range of industrial applications and are particularly recommended for electric-motor lubrication. Unirex N 2 in an NLGI No. 2 grade and is preferred in most cases for application by hand packing or by grease gun. UNIREX N 3 is an NLGI No. 3 grade often used for special applications such as sealed-for-life electric motor bearings, vertically mounted bearings, and higher-speed applications. UNIREX N greases are not intended to be used under extreme pressure conditions where extra anti-welding properties are required. UNIREX N 2 meets the requirements of Lubricating Grease DIN 51825 - K2N - 20 and ISO L-XBDGB 2. UNIREX N 3 meets the requirements of Lubricating Grease DIN 51825 - K3N - 20 and ISO L-XBDGB 3. Because of their outstanding oxidation stability and resistance to softening at high temperatures, UNIREX N greases may be used in many applications such as oven-conveyor bearings, dryer-roller bearings, rotary steam joints, kiln-car bearings, induced-draft fan bearings, and equipment adjacent to high radiant heat such as ovens, soaking pits, etc. UNIREX N 2 is an NLGI No. 2 grade and is preferred in most cases for application by hand-packing or by grease gun. UNIREX N 2 is recommended for the lubrication of electric motors. It is suitable for NEMA (National Electric Manufacturers Association) Insulation Class A, B, and F motors. UNIREX N 3 is an NLGI No. 3 grade and is used for special applications such as sealed-for-life bearings, vertically-mounted bearings, and higher-speed bearings. Most of the uses for UNIREX N involve manual methods of application. Although UNIREX N 2 is suitable for use in automatic centralized systems, equipment served by these systems would normally not require the long-life properties of UNIREX N, since one of the functions of automatic systems is to replenish the lubricant at relatively short time intervals. UNIREX N 3 should not be used in such systems. Regardless of the level of oxidation stability of a grease, an increase in temperature will affect the rate of oxidation and thermal deterioration. Consequently, more frequent relubrication is required at higher temperatures. For UNIREX N greases, it is recommended that relubrication intervals not exceed one week of continuous service at 175°C. As temperatures approach 190°C, relubrication intervals should be daily or every shift. Relubrication intervals will, of course, vary widely with the type of service and should be based primarily on the recommendations of the motor manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Unirex-N-3.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	95	95	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	115 cSt	115 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Penetration	30	30	Penetration Change after 100000 Strokes, mm/10; ASTM D217
	235	235	Worked 60 strokes, mm/10; ASTM D217
Oil Separation	0.60 %	0.60 %	mass % @ 100°C / 30 hrs; ASTM D6184

Thermal Properties	Metric	English	Comments
Dropping Point	230 °C	446 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	green	
Flow Pressure, DIN 51805, hPa	1100	@ -20°C
Grease Life, DIN 51821 (FE-9), hours	104	@ 160°C
	283	@ 140°C
Rust Prevention, Distilled Water	pass	ASTM D665A
Soap/Thickener Type	lithium complex	
Structure	smooth, buttery	
Water Washout, ASTM D1264, wt%	3.5	@ 79°C

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