

ExxonMobil 101 Mobilgrease EAL

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

Mobilgrease EAL 101 and 102 are supreme performance greases designed specifically for applications which are environmentally sensitive. These products are biodegradable and virtually non-toxic greases formulated from a synthetic ester base fluid and a lithium soap thickener. The wax-free nature of the synthetic base fluid, together with its low traction coefficient, provide excellent low temperature pumpability and very low starting and running torque - a significant benefit considering many environmentally sensitive applications are located outdoors. Mobilgrease EAL 101 and 102 were formulated for multipurpose outdoor applications where grease leakage or run out could contaminate soil, groundwater or surface water systems. They can be used for indoor applications where grease leakage could enter plant water systems. They are recommended for plain and rolling element bearings and couplings that operate at temperatures from -30°C to 120°C. Mobilgrease EAL 101 and 102 are NLGI grade 1 and 2 respectively; both have ISO VG 100 base oils. Extensive field evaluation and commercial experience with these products around the world has confirmed good performance in a variety of applications ranging from marble quarry chain saws to hydro-turbines. Even though they are designed for environmental benefits, Mobilgrease EAL 101 and 102 stand up to very demanding performance standards and help extend equipment life and keep equipment running reliably and efficiently. Mobilgrease EAL 101 and 102 are two members of a family of Mobil Environmental Awareness Lubricants (EAL) specifically designed for applications where contamination of the environment is a risk. Mobilgrease EAL 101 (NLGI Grade 1) and 102 (NLGI Grade 2) are multipurpose greases formulated with an ISO VG 100 base fluid. They are designed for the lubrication of equipment in environmentally sensitive areas, including: Marine equipment; Water treatment plants; Dams, locks and water ways; Construction equipment; Farm machinery

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-101-Mobilgrease-EAL.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	100 cSt	100 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	300 kg	662 lb (mass)	ASTM D2596
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	325	325	Worked, 25°C; ASTM D217
Timken Test	20400 g	45.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	182 °C	360 °F	ASTM D2265

Descriptive Properties	Value	Comments
Biodegradability Shake-Flake Test	78	OECD 301B, CO2 Evolution

Descriptive Properties	Value	Comments
Copper Strip Corrosion, ASTM D130	1B	24 hrs @ 150°C
Corrosion Prevention, ASTM D1743	pass	
Emcor/SKF Water Wash Test, IP 220	0	
Soap/Thickener Type	lithium hydroxystearate	
Water Washout, ASTM D1264, wt%	15	@ 79°C

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