

## ExxonMobil Mobil Polyrex EP 2

Category : Fluid , Lubricant , Urea Gellant

### Material Notes:

Mobil Polyrex EP 2 is a shear-stable polyurea grease with excellent extreme-pressure (EP) and load-carrying characteristics. The proprietary polyurea thickener system exhibits excellent resistance to oxidation and oil separation at operating temperatures as high as 350°F. With its outstanding high-temperature oxidation stability, load-carrying capability, shear stability, water resistance and wide operating temperature range, Mobil Polyrex EP 2 is an excellent multi-purpose grease for a wide array of industrial and construction applications. Mobil Polyrex EP 2 is an excellent multi-purpose grease for a wide array of industrial and construction applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Mobil-Polyrex-EP-2.php](http://www.lookpolymers.com/polymer_ExxonMobil-Mobil-Polyrex-EP-2.php)

Physical Properties	Metric	English	Comments
Viscosity Measurement	85	85	Index; ASTM D2270
Kinematic Viscosity at 40°C (104°F)	235 cSt	235 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	18.4 cSt	18.4 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	500 kg	1100 lb (mass)	ASTM D2596
Four Ball Wear	0.400 mm	0.0157 in	40 kg, 1200 rpm, 75°C, 1 hr
Penetration	280	280	Worked, 60x; ASTM D217
	310	310	Worked, 100000, mm/10; ASTM D217
Oil Separation	<= 0.30 %	<= 0.30 %	ASTM D1742
Timken Test	20400 g	45.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	280 °C	536 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	green	
Corrosion Prevention, ASTM D1743	pass	
Grease Life, DIN 51821 (FE-9), hours	490	@ 177°C
Low Temperature Torque, ASTM D1478, g-cm	12.2	@ -40°C

Soap/Thickener Type Descriptive Properties	Value	Comments
Water Spray Resistance, ASTM D4049, % Spray-off	15	
Water Washout, ASTM D1264, wt%	2.7	@ 79°C

**Contact Songhan Plastic Technology Co.,Ltd.**

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