



# 660 POLYMER

High Temperature, Semi-Synthetic Multipurpose Lubricant Made with LIQUILON®\*

- GEAR OILS
- MOTOR OILS
- HYDRAULIC OILS
- PIPE COATINGS
- THREAD SEALANTS
- BEARING GREASES
- SPECIALTY GREASES
- THREAD COMPOUNDS
- SUCKER ROD COATINGS
- OUTSIDE PRESERVATIVES
- WIRELINE GREASE SEALS
- CLEANERS & DEGREASERS
- PIPE STORAGE COMPOUNDS
- RUST & CORROSION INHIBITORS
- THREAD LOCKING COMPOUNDS
- VALVE LUBRICANTS & SEALANTS
- TOOL JOINT & DRILL COLLAR COMPOUNDS

## PRODUCT DESCRIPTION

660 Polymer is a high temperature, semi-synthetic, multipurpose lubricant manufactured with LIQUILON®\* and a complete EP package. The addition of LIQUILON®\*, commercially known as Teflon®\*\*, provides unmatched solid film lubrication, prevents washout thereby extending normal lubrication intervals, and adds stability and resistance to chemical change. The film forming properties of 660 Polymer guards against rust and corrosion, and prevents metal-to-metal contact thereby reducing heat generation and wear. 660 Polymer services temperature from 10°F to >450°F (-12°C to >232°C). 660 Polymer is water resistant and prevents washout even under the most demanding conditions.

## BENEFITS

- Made with LIQUILON®\*
- Film-forming
- Water-resistant
- Complete oxidation and EP package
- Anti-wear
- Extends lubrication intervals
- Prevents washout
- Provides solid film lubrication
- Reduces heat build up

## APPLICATION

POLYMER 660 applications include high or low speed bearings, wheel bearings, chassis ball joints, water pumps, fifth wheels, universal joints, cables, slides, guide rails, cams, valves, pumps, winches, and other equipment requiring a high quality lubricant.

## TYPICAL OBSERVATIONS

Color	Light green
Texture	Smooth, stringy
Thickener	Lithium complex
Density, lb/gal @ 77°F (25°C)	7.5
Specific Gravity, @ 77°F (25°C)	0.899
Corrosion Preventive Properties,	
ASTM D-1743, @ 125°F (51°C)	Pass
Dropping Point, ASTM D-2265	513°F (267°C)
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	Nil
Flash Point, ASTM D-92	530°F (277°C)
Penetration, ASTM D-217 @ 77°F (25°C)	285
Viscosity of Base Oil	
cSt @ 40°C	154.3
cSt @ 100°C	12.1
Water Washout Characteristics,	
ASTM D-1264 @ 100°F (37°C)	2.8%
Four Ball Wear Test,	
ASTM-D2266, 40 Kg. 1200 rpm @ 167°F (80°C),	
1 Hr. Average Wear Scar. Diam, mm	0.72
Low Temperature Torque, ASTM D-1478	
@ -25°F (-31°C) Gram-Cm.	-25°F (-31°C)
Starting Above 14,750 Running 10 Min.	5900
Running 60 Min.	1829
Oil Separation, ASTM D-1742 @ 77°F (25°C)	
2.6%	Oxidation Stability,
ASTM D-942 @ 210°F (98°C), 100 Hrs. PSI Loss	2.0
Wheel Bearing Leakage,	
ASTM D-1263 @ 235°F (112°C), 660 rpm, and 6 Hrs.	
No Presence of Varnish, Gum, or	
Lacquer-Like Materials on the Bearing Surface	0.19 grs.
Roll Stability, ASTM D-1831, 2 Hr. @ 77°F (25°C)	
Initial Penetration @ 77°F (25°C)	268
Final Penetration @ 77°F (25°C)	279
Change	+11
Shelf Life (unopened container)	Two years



\*\*REGISTERED TRADEMARK OF DUPONT

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Manufactured by

**BALMAR LLC**

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Sales Locations:

LAFAYETTE, LA | HOUSTON, TX | LONGVIEW, TX | MIDLAND, TX | OKLAHOMA CITY, OK

\*Registered trade name of Oil Center Research, Inc. 12/17/14

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