

PRODUCT DATA SHEET



Maratrac Black

Product Description

Maratrac Black with 3% Moly is an NLGI #2 Lithium Complex, Heavy-Duty Moly Grease. It offers improved water washout and rust resistance, as well as 100% higher EP protection versus the industry standard for heavy & shock loads. The 3% Moly concentration combats heavy loads (high Timken rating) and greatly reduces metal contact between opposing surfaces. It is ideal in agricultural, automotive, construction, and industrial settings, as well as ball & roller bearings, cams, splines, sliding surfaces, and fretting and oscillating conditions.

Features

- ➔ **Outstanding Load Resistance**
3% Moly yields high Timken rating. EP protection 100% higher versus industry standard
- ➔ **Improved Water Resistance**
Dependable water washout and rust resistance
- ➔ **Lithium Complex Technology**
Advanced formulation provides lubricating film
- ➔ **Resists thinning in bearings**

Applications

- Automotive
- Agricultural
- Construction
- Industrial
- Ball & roller bearings
- Cams
- Splines
- Sliding surfaces
- Fretting & oscillating conditions

Operating Temperature Range, °F: 5 to 350

Intermittent up to, °F: 400

Dropping Point, °F: 500

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Marathon Petroleum Corporation believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.

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Maratrac Black (Typical Properties)

NLGI Grade	Method	2
Product Numbers	1664 (400 # drum), 1661 (120 # keg), 1663 (40/14 oz)	
Penetration, mm/10	ASTM D217	
Worked 60 Strokes		280
Worked 10,000 Strokes		270
Worked 100,000 Strokes		300
Dropping Point, °F (°C)	ASTM D566 or D2265	500 (260)
Thickener Type		Lithium Complex
Color	Visual	Black
Molybdenum %		3
Base Oil Viscosity, Kinematic	D445	
cSt @ 40°C		320
cSt @ 100°C		29
Base Oil Viscosity Index	ASTM D2270	120
4-Ball EP Performance	ASTM D2596	
Weld Point, kgf		500
Load Wear Index, kgf		64
Timken, OK Load, lb	ASTM D2509	70
4-Ball Wear, Scar Diameter, mm	ASTM D2266	0.51
Oxidation Stability, lb Loss / 100 hours	ASTM D942	3
Oil Separation, at 210°F, 50 hrs. %	ASTM D6184	2.07
Bearing rust protection, Rating	ASTM D1743	Pass
Wheel Bearing Life, Hours	ASTM D3527	180
Water Spray-off, %	ASTM D4049	12.3
Water Washout at 175°F (79°C), % loss	ASTM D1264	1
Fretting Protection, Mass Loss, mg	ASTM D4170	7.7
Leakage Tendencies, g	ASTM D4290	1.61
Copper Corrosion	ASTM D4048	1B
Elastomer Compatibility	ASTM D4289	
NBR-L		
Volume Change, %		15.74
Hardness Change, Durometer-A points		-8
CR		
Volume Change, %		27.43
Hardness Change, Durometer-A points		-12