

Blue Hi-Temp Grease

(July 2021 edition)

AMALIE Blue High-Temp Grease is a premium, heavy duty, EP Multi-purpose lithium grease fortified with polymers, anti-wear agents, tackiness additives, high viscosity base oils plus rust and oxidation inhibitors. This grease is designed to "stay-in-place and lubricate" under the most severe operating conditions found in industrial and automotive service. It has excellent resistance to water wash out and protects against wear in shock loading applications. **AMALIE Blue High-Temp Grease** is designed to "stay there and lubricate" under the worst conditions of water, dirt, and mud. This grease is capable of operations from minus 10 degrees F to 375 degrees F, but with a dropping point of more than 500 F.

Benefits

- Adhesive-Tacky Grease That "Stays in Place and Lubricates"
- Excellent Water Wash-Out Resistance
- Excellent Protection Against Failures Caused by Shock Loading
- Extreme Pressure Protection - Exceeds 70 Pounds OK Load in the ASTM D-2509 Timken Test
- Outstanding Rust and Corrosion Protection
- Distinctive Blue Color Quickly Identifies the Grease and Helps Detect Defective Bearing Seals
- Oxidation Inhibitors Permit Operations Up to 150°C (302°F) for Extended Periods
- NLGI Certified GC-LB in Wheel Bearing and Chassis Applications

AMALIE Blue High-Temp Grease is recommended for wheel bearings, including disc brake applications, fifth wheel, u-joints, steering linkage, and chassis lubrication. It is an ideal chassis lubricant for on & off-road equipment in agriculture, construction, logging, trucking and mining service where severe water washing, or shock loading protection is needed. **AMALIE Blue High-Temp Grease** is also recommended for rock crushers, sand and gravel screens, oil field equipment, offshore drilling equipment and marine deck equipment. It may be used for industrial plain bearings and anti-friction bearings operating under shock-loads or wet and dirty conditions at speeds less than 5000 RPM.

(Typical Properties on page 2)

Additional Information

Please use proper handling and care that you would use with any lubricating grease. Contact your Sales Representative for SDS.

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Typical Physical and Chemical Properties

Color	Blue
Texture	Smooth, Tacky
NLGI Grade	2
Thickener Type	Lithium Complex
Solid Lubricant	None
Dropping Point °C /°F	260/500
Timken OK Load Lbs. D-2509	70
Four Ball Weld Scar, mm D-2266	0.50
Four-Ball Weld Point, kgf D-2596	315
Four-Ball Load Wear Index	50
Rust Corrosion Test, D-1743	Pass
Emcor Rust, IP220-mod, Distilled Water	0,0
Worked 60 Penetration, D-217	265-295
Penetration Consistency Change, Roll Stability, D-1831, mm/10	5 %
Wheel Bearing Leakage, D-4290, g loss	2.0
Oxidation Stability D-942, Pressure drop at 100 hrs, PSI	2
Copper Strip Corrosion, D-4048	1b Max
Oil Separation, D-1742, % loss	1
Water Spray Resistance, D-4049, % Spray-off	10
Water Washout, D-1264, wt. % loss at 79°C (175°F).	1.5
Operating Temperatures, °C	-10 to 375
Characteristics Oil plus Additives, Viscosities D-445	
@ 100°C, cSt.	11
@ 100°C, cSt.	160