



H1 Quinplex® High Temperature Lubricant (4051)

Long-Lasting, Nonmelting Food Grade Grease Provides Constant Protection for High-Temp Bearing Applications

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Bearings operating in or near heat-generating equipment are subject to temperatures that cause ordinary greases to melt and run, leaving critical bearing surfaces unprotected. H1 Quinplex® High Temperature Lubricant is designed to withstand high temperatures, staying in place to provide constant lubrication. It also resists oxidation and vaporization, and it repels water. NSF H1 certified, it is a suitable lubricant for use in food processing and other sensitive environments. By ensuring longer lubrication intervals and fewer bearing failures, H1 Quinplex High Temperature Lubricant helps contribute to increased production and a healthier bottom line.



Beneficial Qualities

Withstands High Temperatures

- Heavy base oil and R & O additive formulation ensures extended bearing protection
 - » Won't melt or run out of bearings
 - » Resists oxidation and vaporization
- Exhibits excellent mechanical stability

Provides Superior Protection

- Reduces wear by minimizing metal-to-metal friction, even under heavy loads
- Protects metal from rust and corrosion
- Quinplex additive helps to form a barrier that repels water caused by steam

Food Grade

- Registered NSF H1
- Can be used with confidence where incidental food contact can occur

Provides Long-Lasting, Cost-Saving Service

- Offers easy pumpability in central lubrication systems
- Extends lubrication intervals
- Reduces lubricant consumption
- Reduces downtime associated with bearing failures and frequent regreasing

Available Grade

- NLGI 1-1/2 (4051)

Proprietary Additive

LE's proprietary additives are used exclusively in LE lubricants. H1 Quinplex High Temperature Lubricant contains Quinplex.

Quinplex® impact-resistant additive contributes to outstanding water resistance, tackiness and enhanced mechanical stability, and helps to form a barrier against corrosion.



H1 Quinplex® High Temperature Lubricant

Performance Requirements

Met or Exceeded

- NSF H1

Recommendations

- Although this product is formulated with inorganic thickeners, it contains NSF H1 registered base fluids which, under very high temperatures, can ultimately form carbon and residues as do other greases with similar base fluids.
- May exhibit high-starting torques due to high-viscosity base fluid.

Typical Applications

- High-temperature applications where an NSF H1 registered food grade product should be used, including: pellet mills, kilns, exhaust fans, oven conveyors, and plastic blow molding machines.

	4051
Thickener Type	Clay
Texture	Smooth, Buttery
Color	Tan
NLGI Grade	1-1/2
Worked 60 Penetration ASTM D217	300
Dropping Point °C (°F), ASTM D2265	None
Base Fluid Characteristics	
Viscosity @ 100°C, cSt, ASTM D445	34.0
Viscosity @ 40°C, cSt, ASTM D445	495
Corrosion Prevention DI H2O, ASTM D1743	Pass
Four-Ball EP Weld Point kgf, ASTM D2596	200
Four-Ball EP Load Wear Index kgf, ASTM D2596	35
Four-Ball Wear @ 75°C, 1,200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D2266	0.50

