



Food Grade

Synthetic EP-1 Grease



Nonfood Compounds
Program Listed (H2)
(Registration # 142078)

Pumpable Synthetic Ideal for Extreme Temperatures

Heavy duty full synthetic multipurpose grease designed for extreme temperature conditions or where low and high speed bearings share the same lubricant. Delivers increased parts life, reduced downtime and outstanding protection in the harshest EP, temperature or corrosive environments.

TYPICAL PROPERTIES

NLGI Grade	1
Color	Brown
Thickener	Calcium Complex
Operating temperature range	-60°F to 650°F
Kinematic viscosity of base oils @40°C (ASTM 445)	68 cSt (220 SUS)
Penetration @ 25°C (77°F) (ASTM D-217), mm/10	
Worked 60 strokes	310-340
Mechanical Stability (ASTM D-217) % change from P60	
P100,000 strokes	2.3%
P10,000 strokes with 50% H ₂ O	<2.0%
Dropping Point (ASTM D-2265) °F (°C)	+554 (+290)
Shell Roll Stability (ASTM D-1831)	<4.0%
Oxidation Stability (ASTM D-942) psi drop/500 hours	6.0 lbs
Oxidation Bearing Life (ASTM D-3527)	200 hours
4-Ball Wear Test (ASTM D-2266)	
mm scar, 40kg, 1200 RPM, 75°F, 1hr	0.42mm
4-Ball EP test (ASTM D-2596)	
LWI, kg	>75
Weld Load, kgf	500
Timken OK Load (ASTM D-2509) lbs/kg	60/27
Rust test (ASTM D 1743)	Pass
Copper Corrosion test (ASTM D-130)	Pass/1b
Salt Fog Spray (ASTM B-117) hours to failure	>1000 hours
Water Washout (ASTM D-1264) @ 80°C, % loss	<2.2%
Base Oil Characteristics	
Viscosity SUS @ 100°F	220
Viscosity SUS @ 210°F	62.4
V.I. Min	136



SUPERIOR PERFORMANCE:

- Pumpable
- Operates from -60°F to 650°F
- Extreme pressure protection
- Heavy load carrying ability
- Excellent shear stability
- Highly resistant to water wash
- Excellent corrosion resistance
- Cling capability
- Seal compatibility
- Low oil bleed characteristics
- Extreme thermal, oxidative and mechanical stability



REDUCES:

- Heat & Friction
- Wear
- Corrosion
- Noise
- Downtime
- Power consumption



IDEAL FOR:

- Long lubricant dispensing lines
- Extreme hot or cold conditions
- Wet and hot end use for roll neck journal bearings
- Heavily loaded hinge pins, couplings, CV & universal joints
- Rolling mills, slabbing mills, truck chassis, wheel bearings, general lube points

PART NUMBER	SIZE	CASE PACK
47014	14 oz. Cartridge	12
47035	35 lb. Pail	1
47120	120 lb. Pail	1
47400	400 lb. Drum	1