

PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



Barrier 2000-2

High Performance Lithium Based EP Grease

DESCRIPTION:

Barrier 2000-2 is an outstanding, multi-purpose, extreme pressure (EP) lithium 12 hydroxy grease. **Barrier 2000-2** has a customized formulation that provides superior anti-friction film protection under heavy loads as well as water resistance and adherence of lubricant film on metal surfaces. **Barrier 2000-2** resists thinning and hardening in bearings thereby minimizing leakage and maintaining lubrication and long service life. **Barrier 2000-2** also offers excellent low temperature pumpability and high temperature protection. It can also be applied in industrial machinery where poly-lithium-EP grease is specified.

PROPERTIES:

| | Test Method | B2000-2 |
|---------------------------------------|----------------|--------------------|
| Color | | Black |
| Thickener Type | | Lithium |
| Thickener Content | | 11.2% |
| Texture | | Smooth and Buttery |
| NLGI Grade | ASTM D4950 | 2 |
| Base Oil Viscosity@ 40 °C | ASTM D455 | 435 cSt |
| Base Oil Viscosity@ 100 °C | ASTM D455 | 26 cSt |
| Extracted Oil Viscosity @ 100 °F | ASTM D455 | 2,006.7 SUS |
| Dropping Point | ASTM D566 | 193 °C (380°F) |
| Cone Penetration @ 25 °C | ASTM D217 | 280 |
| Worked 60 strokes | | 267 |
| Worked 100,000 strokes | | 307 |
| Roll Stability Penetration (50h@80°C) | ASTM D1831 mod | +37 |
| Density | ASTM D1475 | 0.91 |
| Extracted Oil Flash Point | ASTM D92 | 218 °C (425 °F) |
| DI Rust Protection @ 48h/52 °C | ASTM D1743 | PASS |
| Copper Strip Corrosion | ASTM D4048 | 1a |
| Water resistance | DIN 51807-1 | 2-90 |
| Oil separation @ 40 °C and 80 °C | DIN 51817 | 2.8% |
| Four-Ball Wear | ASTM D2266 | 0.45 mm |
| OK Load (Timken Method) | ASTM D2509 | 50 |
| EP Properties (Four-Ball Method) | ASTM D2596 | 250 kgf |
| SKF Emcor (distilled water) | ISO 11007 | 1 |
| SKF Emcor WWO (distilled water) | ISO 11007 mod | 0 |

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