

Greases

ALUMINIUM COMPLEX GREASES



... **COPAL** products are excellent adhesive greases based on Aluminium Complex thickener. They have excellent resistance to water washout.

... **COPAL** range is recommended for slow moving heavy-duty applications where shocks and loads are present.

| COPAL | | | | | | | | |
|--------------------|--|--|-------------------|------------|---------------|-----------------------------|----------------|--------------|
| PRODUCT | APPLICATIONS | SPECIFIC ADVANTAGES | THICKENER | NLGI GRADE | BO VISCOSITY* | OPERATING TEMPERATURE RANGE | SPECIFICATIONS | |
| | | | | | | | ISO 6743-9 | DIN 51502 |
| COPAL EP 00 | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and adhesive grease, for high temperatures. • Suitable for shock loaded applications, travelling cranes, presses. | <ul style="list-style-type: none"> • Good adhesiveness on metal surfaces. | Aluminium Complex | 00 | 165 | -20 °C to +150 °C | L-XBDEB 00 | KP00N-20 |
| COPAL EP 2 | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and adhesive grease, for high temperatures. • Suitable for shock loaded bearings, heavily loaded transmission, assemblies, travelling cranes, presses. | <ul style="list-style-type: none"> • Good adhesiveness on metal surfaces. | Aluminium Complex | 2 | 165 | -20 °C to +150 °C | L-XBDHB 2 | KP2N-20 |
| COPAL MS 2 | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and adhesive grease for shock loaded applications with vibrations, over a wide range of temperatures. • Suitable for boundary lubrication. | <ul style="list-style-type: none"> • Contains 2.5 % MoS₂. • Good adhesiveness on metal surfaces. • Good resistance to water. | Aluminium Complex | 2 | 165 | -20 °C to +150 °C | L-XBDEB 2 | KPF2N-20 |
| COPAL GEP 0 | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and adhesive grease for heavy loads and high temperatures. • Recommended for the lubrication of open gears, especially during the running-in period. | <ul style="list-style-type: none"> • Contains 10% Graphite. • Good adhesiveness on metal surfaces. • Extended gear life potential. | Aluminium Complex | 0 | 750 | -20 °C to +150 °C | L-XBDHB 0 | OGPF0N-20 |
| COPAL OGL 0 | <ul style="list-style-type: none"> • Highly adhesive Extreme Pressure grease, for heavy loads and high temperatures. • Application in cement plants: open gears of kilns and mill drives. • Application in sugar mills: open gears in sugar cane mills. | <ul style="list-style-type: none"> • Contains 8% Graphite and 1% MoS₂. • Dual solid addition reduces wear particularly near the tooth crest and tooth base, decreasing energy consumption. • Very good water resistance. | Aluminium Complex | 0-00 | > 1000 | -20 °C to +150 °C | L-XBDHB 0/00 | OGPF0/00N-20 |
| COPAL OGL 2 | <ul style="list-style-type: none"> • Highly adhesive Extreme Pressure grease, for heavy loads and high temperatures. • Specially developed for lubrication of open gears when a NLGI 2 grade is required. | | Aluminium Complex | 2 | > 1000 | -15 °C to +150 °C | L-XBDHB 2 | OGPF2N-15 |
| COPAL SPRAY | <ul style="list-style-type: none"> • Extreme Pressure, adhesive grease for joints, open gears and cables lubrication. | <ul style="list-style-type: none"> • Contains 10% Graphite. • Enables local application of all surfaces. | Aluminium Complex | 1 | | -30 °C to +120 °C | Aerosol | |

* Typical kinematic viscosity of base oil at 40 °C in mm²/s



BIODEGRADABLE



H1 suitable for incidental food contact

3H suitable for direct food contact

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| TOTAL NEVASTANE | | | | | | | | | |
|------------------------|---|--|-------------------|------------|---------------|-----------------------------|--|------------|-----------|
| PRODUCT | APPLICATIONS | SPECIFIC ADVANTAGES | THICKENER | NLGI GRADE | BO VISCOSITY* | OPERATING TEMPERATURE RANGE | SPECIFICATIONS | | |
| | | | | | | | REGISTRATION | ISO 6743-9 | DIN 51502 |
| TOTAL NEVASTANE XMF 00 | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and adhesive grease. • Suitable for high to medium speed bearings in Food Processing Industry. • Roller and plain bearings. • Crimping machines. | <ul style="list-style-type: none"> • Good adhesiveness on metallic surfaces. • Provides excellent corrosion protection and water resistance. | Aluminium Complex | 00 | 120 | -20 °C to +150 °C | NSF H1 ISO 21469 KOSHER HALAL | L-XBDF A00 | K00N-20 |
| TOTAL NEVASTANE XMF 0 | | | | 0 | | | | L-XBDF A0 | K0N-20 |
| TOTAL NEVASTANE XMF 1 | | | | 1 | | | | L-FXBDF B1 | KP1N-20 |
| TOTAL NEVASTANE XMF 2 | | | | 2 | | | | L-XBDF B2 | KP2N-20 |
| TOTAL NEVASTANE 2 PLUS | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose and very adhesive grease. • Suitable for Food Processing application when high adhesiveness is required. • Roller and plain bearings - high and medium speed. • Crimping machines | <ul style="list-style-type: none"> • Excellent adhesiveness. • Provide excellent corrosion protection and water resistance. | Aluminium Complex | 2 | 150 | -20 °C to +150 °C | NSF H1 ISO 21469 KOSHER HALAL | | |
| TOTAL NEVASTANE HD2T | <ul style="list-style-type: none"> • Extreme Pressure, multipurpose tacky grease for food processing in presence of water. • Suitable for loaded bearings, bottling and crimping machines. | <ul style="list-style-type: none"> • Contains PTFE additives. • Exceptional adhesiveness on metal surfaces. • Excellence resistance to water washout. Excellent antiwear protection. • Low friction coefficient. | Aluminium Complex | 2 | 150 | -20 °C to +150 °C | NSF H1 ISO 21469 KOSHER HALAL | L-XBDF B2 | KP2N-20 |

* Typical kinematic viscosity of base oil at 40 °C in mm²/s



Available in Lube-Shuttle cartridges



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