



TECHNICAL DATA SHEET

AMPAC – MP Lithcomp

Multi-Purpose Lithium Complex Grease

PRODUCT DESCRIPTION:

AMPAC – MP Lithcomp is a superior multi-purpose Lithium Complex grease possessing excellent lubrication characteristics for a wide range of anti-friction and plain bearings, gears and couplings in automotive, marine, agricultural and industrial application. The extreme pressure and anti-wear properties enables the grease to give long service life under high loading and shock loading conditions from low temperature to very high temperature environments. These special characteristics of shear stability, combined with the inclusion of effective rust, oxidation and corrosion inhibitors, and tackiness adhesive additives, ensure this grease is the preferred recommendation for sealed for life anti friction bearings.

Characteristic:

- Sealed for Life bearings have assured long service life due to the exceptional oxidation, rust and corrosion resistance of **AMPAC – MP Lithcomp**. With extended service, it maintains its original consistency. It will not thicken since it resists oxidation. It will not thin out because it is shear resistant.
- Functional multi-purpose grease for low and high temperatures. It has an operating temperature range of -20 °C to 170 °C, but has shown that it provides lubricating protection even for intermittent operation up to 200 °C. Its ability to prevent scuffing and reduce wear under high load and shock load conditions, together with its excellent resistance to shear and high temperature operation, make it preferred over other multi-purpose greases.
- Water Resistance: Where water contamination or the water wash out contaminating influences cannot be avoided, even at elevated temperatures, effective lubrication is maintained because of the excellent resistance of **AMPAC – MP Lithcomp** to water wash out. In these situations it also gives protection against rusting and corrosion.
- Environmentally Friendly: **AMPAC – MP Lithcomp** is free from lead, chlorine, nitrite, and aromatic extract.
- Adhesive and Cohesive: **AMPAC – MP Lithcomp** resists "Squeeze Out" from surfaces requiring lubrication under load conditions.

Applications:

- **AMPAC – MP Lithcomp** is the prime recommendation for use in applications where high thermal resistance is required. These applications include industrial, automotive, earthmoving and marine applications such as wheel bearings, chassis, boat trailer wheel bearings and other applications requiring grease lubrication. Prime choice for electric motors. It is recommended for ball joints which demand characteristics will ensure minimum wear and minimum torque with complete protection against rust.



TYPICAL PROPERTIES

AMPAC MP Lithcomp Multi-Purpose Lithium Complex Grease	
Prod Code	AMG 3012
Color	Blue
Soap Type	Lithium Complex
NLGI Grade	2
Appearance	Smooth, Tacky Grease
Base Oil	Refined Mineral Oil
Worked Penetration (IP50)	265-295
Copper Corrosion (IP112)	Pass
Dropping Point °C(IP132)	270 min
Resistance to Corrosion Emcor (a) (IP220)	0:0
Oil Separation % (IP121)	1.5max
Water Washout @39 °C, % (ASTM D-1264)	1
4-Ball Weld, kg/f (IP239)	450
Operating Temperature Range °C	-20 to 170
Roll Stability (ASTM D-1831)	+10 max
Base Oil, cSt @40 °C (ASTM D-445)	220

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