



Krytox™ GPL 246

Performance Lubricants

Electrical Conducting Grease

Product Information

Some applications require electrical conductivity. Most greases act as insulators. This special grade of Krytox™ has been formulated with copper powder in grease to act as a conductor of electricity. Krytox™ oils provide long life and high-temperature stability and lubrication.

The addition of copper powder also improves the thermal conductivity of the grease for applications where improved heat transfer is needed; however, it can

increase bearing noise and wear. Thermal conductivity of non-additized Krytox™ GPL 206 grease at 40 °C (104 °F) is 0.127 watts/m²K. The Krytox™ GPL 246 grease at 40 °C (104 °F) has conductivity of 0.272 watts/m²K.

Because Krytox™ GPL 246 is formulated with our Krytox™ GPL 106 base oil, it retains many of the properties of that oil. Consult our "Krytox™ Performance Chemicals Product Overview" brochure for more information.

Typical Properties	Krytox™ GPL 246 Grease
Base Oil Viscosity, cSt	
20 °C (68 °F)	810
40 °C (104 °F)	240
100 °C (212 °F)	25
Useful Temperature Range, °C (°F)	-36 to 260 (-33 to 500)
Appearance	Copper colored, buttery
Consistency	NLGI Grade 2
Electrical Conductivity, ohm ⁻¹ ·cm ⁻¹ , ASTM D257	2.85 x 10 ⁻⁵

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For product information, industry applications, technical assistance, or global distributor contacts, visit krytox.com or within the U.S. and Canada, call 1-844-773-CHEM/2436 or outside of the U.S., call 1-302-773-1000.

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