



HYPERTECH[®] COMPRESSOR LUBRICANTS

HYPER COMPRESSOR LUBRICANTS

HYPERTECH[®] polyethylene hyper compressor lubricants are fully formulated products using state of the art technology designed to meet the performance demands of these high-pressure reciprocating compressor systems.

Hyper compressors are a unique application with compression of ethylene reaching pressures up to 50,000 psia during the manufacturing process of low-density polyethylene (LDPE) and ethylene-vinyl acetate copolymers (EVA). These high pressures cause stress on both the internal components of the compressor as well as the lubricant. Developed in-house by Calumet's R&D group, the HYPERTECH product line is designed to combat these stresses by offering superior anti-wear protection, low friction, and high film strength.

HYPERTECH lubricants are highly refined products utilizing quality white oil base stocks. For essential wear protection, the HYPERTECH TE-AO product line is formulated to shield surfaces from corrosion and wear. For high performance applications, the HYPERTECH G3 product line is formulated for ultra-low friction. HYPERTECH G3 products also have enhanced wear protection to maximize plunger and packing service life and have the added benefit of being NSF H1 certified.

HYPERTECH®

COMPRESSOR LUBRICANTS

PRODUCT FEATURES

- Exceptional anti-wear performance
- Energy-saving friction reduction
- Excellent film strength
- High purity and low reactivity
- FDA 21 CFR 178.3570 compliant for food contact applications
- Kosher Certified

TYPICAL PROPERTIES

PROPERTIES	METHOD	HYPERTECH 1200 TE-AO	HYPERTECH 1500 TE-AO	HYPERTECH 600 G3	HYPERTECH 1000 G3	HYPERTECH 1200 G3
Viscosity @ 100 °F (SUS)	D2161	1231.7	1302.7	600.0	983.2	1237.8
Viscosity @ 40 °C (cSt)	D445	265.88	281.21	109.63	195.68	223.30
API Gravity @ 60 °F	D4052	29.8	29.9	30.6	30.4	29.6
Specific Gravity @60/60 °F	D4052	0.8770	0.8766	0.8729	0.8700	0.8780
Flash Point, COC (°F)	D92	512	497	445	410	485
Flash Point, COC (°C)	D92	267	258	229	210	252
Pour Point (°F)	D97	6	4	0	-6	8
Pour Point (°C)	D97	-15	-16	-18	-21	-13
Color, Saybolt	D156	30	30	30	30	30
NSF H1 Certified				✓	✓	✓

TECHNICAL ASSISTANCE

For product or technical questions, contact your Sales Representative or Calumet Product Support at (800) 437-3188 or email technical@clmt.com.

Calumet's sampling and testing procedures in effect at the time of production will be used for certification testing. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock. Typical values only represent the values one would expect if the property were tested in our laboratories with our test methods on the specified date. Some product properties are not frequently measured, and accordingly typical values are not based on a statistically relevant number of tests. The information in this document relates only to the named product. The user is solely responsible for all determination regarding any use and any process.



CORPORATE HEADQUARTERS

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