

Data Sheet

TorrLube PzH Grease

Typical Properties of TorrLube® PzH Grease

TorrLube PzH Grease is a synthetic hydrocarbon grease formulated to provide effective lubrication of rolling element bearing at elevated temperature and high speeds. This grease has superior oxidative stability, contains an effective rust inhibitor and is fortified to provide effective lubrication under boundary conditions. TorrLube PzH Grease has been developed as an advanced, synthetic alternative to a heritage sodium complex grease used for high speed ball bearings.

When held between glass slides, TorrLube PzH Grease possesses a transparent thickener structure similar to the discontinued sodium complex grease.

Typical Properties	Method	Result
Thickener	Report	Lithium Complex
Base Oil	Report	Synthetic Hydrocarbon
Base Oil KV 100°C	ASTM D445	13 min ² /s
Base Oil Flash Point	ASTM D92	>250°C
Base Oil Pour Point	ASTM D97	-40°C
Color	Visual	Amber
Appearance	Visual	Smooth
Po	ASTM D217	234
P60	ASTM D217	243
NLGI Grade	ASTM D217	3
Oil Separation, 24h at 100°C	ASTM D6184	1.9%
Evaporation, 24h at 100°C	CTM-1	0.4%
Dropping Point	ASTM D2265	>260°C
Density, 25°C	CTM-2	0.87 g/cc
Apparent Viscosity, -38°C	Brookfield Viscometer	10 x 10 ⁶ mPa.s
T-C Spindle, 1 RPM Thermooxidative Stability	ASTM D5483	No Reaction
210°C, 3500 kPa O ₂ Thermogravimetric Analysis*	CTM	300°C
Copper Corrosion, 24h at 100°C	ASTM D4048	1b
Wear	ASTM D2266	0.49mm

* Temperature at which rapid evaporation of the grease occurs.

Specifications

The typical properties reported on this technical data sheet should not be used for preparing specifications on this grease. Please contact The TorrLube Company for assistance in preparing a specification.

Safety

TorrLube PzH Grease does not contain hazardous ingredients. If fumes are generated at elevated temperatures, ventilation is required. See the Material Safety Data Sheet for additional safety related information on the grease.

Packaging

Container	Metric	U.S.
Plastic Jar	0.5 kg	1 Pound
Plastic Pails Straight Sided	16 Kg	35 Pounds

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