

Essential GL 400 Multipurpose Grease

Product Information

Description and Use

Essential GL 400 is a multipurpose, synthetic perfluoropolyether (PFPE) grease utilizing a special polytetrafluoroethylene (PTFE) thickening agent. Essential GL 400 is designed for use in a broad array of demanding applications, providing superior protection against wear, rust, and corrosion over a wide temperature range encountered in many industries.

Common uses include lubrication of bearings, valves, sliding components, and O-rings.

Product Benefits

Essential GL 400 will not oxidize or form carbonaceous deposits and is not affected by steam, acids, or industrial cleaning solutions. It is non-toxic, nonflammable, and chemically inert. Essential GL400 offers extended re-lubrication cycles and longer equipment life compared to other lubricant technologies. Essential GL 400 is a cost-effective lubricant helping to reduce labor-intensive maintenance and equipment downtime due to component failure. Essential GL 400 is compatible with most metals, elastomers, and plastics.

Storage and Shelf Life

Essential GL 400 has no expiration date and an indefinite shelf life if unopened and stored in a clean, dry location.

Typical Properties of Essential GL 400

ISO Grade of Base Oil	460
Estimated Useful Temperature Range, °C (°F)	-30 to 288 (-22 to 550)
Base Oil Viscosity, cSt	
40 °C (104 °F)	450
100 °C (212 °F)	42
Specific Gravity	1.95
Oil Separation, % 30 hr at 204 °C (399 °F), ASTM D6184	9
Appearance	White, creamy texture
NLGI Grade	2
Anti-Rust Rating, ASTM D1743	Pass
Four Ball Wear Scar, mm, ASTM D2266	0.9
Oil Volatility, Maximum % 22 hr at 204 °C (400 °F) ASTM D2595	1

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Because conditions of product use are outside our control, Chemours makes no warranties, express or implied, and assumes no liability in connection with any use of this information. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

NO PART OF THIS MATERIAL MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF CHEMOURS.

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.

© 2017 The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

C-11063 (5/17)

