

WearMaster®

Lubricants Engineered for the Application

WearMaster® KG 459

WearMaster® KG 459 is a synthetic grease formulated with PFPE fluids and thickened with polytetrafluoroethylene. Attributes of the grease include excellent thermooxidative stability, wide temperature serviceability from -40 to 250°C, excellent compatibility with plastics and elastomers, and a formulation from Ingredients recognized as safe for incidental food contact.

Typical Properties:	Method	Result
Thickener	Report	PTFE
Base Oil	Report	PFPE
Color	Visual	White
Appearance	Visual	Smooth
Po	ASTM D217	281
P60	ASTM D217	274
NLGI Grade	ASTM D217	2
Oil Separation, 24h at 100°C	ASTM D6184	2.7%
Evaporation, 24h at 100°C	CTM	0.0%
Density, 25°C	CTM	1.9 g/cc
Oxidation Stability, 210°C 3500kPa Oxygen, 100 min.	ASTM D5483	No Reaction
Thermogravimetric Analysis Onset Point*	CTM	347°C

* The TGA onset point is the temperature at which rapid evaporation of the lubricant occurs under the conditions of the test. The test is conducted under a nitrogen atmosphere.

Specifications:

The typical properties reported on this technical data sheet should not be used for preparing specifications on this grease. Please contact OPCO Lubrication Systems, Inc. for assistance in preparing a specification.

Safety:

WearMaster® KG 459 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.

Disclaimer:

Since we are unable to anticipate or control the conditions under which this information and our products may be used, we cannot guarantee the applicability of this information or suitability of our products in any specific application. Moreover, the products are sold without warranty, expressed or implied. Statements concerning the possible use of our products are not intended as recommendations to use our product in the infringement of any patent.

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