

## RheoGel 1409NO

RheoGel 1409NO is a synthetic hydrocarbon grease prepared from a lithium-based thickening agent. This grease has been designed for wide temperature automotive and industrial applications. Special features of the grease include wide temperature serviceability, good cold temperature efficiency, good noise damping and very low odor.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
<b>Type</b>		Synthetic Hydrocarbon	
<b>Temperature Service Range (°C)</b>		-50 to 125	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
<b>Thickener</b>		Lithium-12 Hydroxystearate	
<b>Color</b>		Off-white	
<b>Appearance</b>		Smooth	
<b>NLGI Grade</b>		2	
<b>Penetration</b> (ASTM D217 / DIN 51804-T1)	Unworked	265-295	
	Worked	60X 265-295	
<b>Dropping Point (°C)</b> (ASTM D2265 / DIN ISO 2176)		200 min.	
<b>Oil Separation</b> (ASTM D1742)	24h at 25°C and 1.72 kPa	0.23%	
<b>Oil Separation</b> (ASTM D6184)	24h at 100°C	3% max.	
<b>Evaporation</b> (CTM-1)	24h at 100°C	1% max.	
<b>Water Washout</b> (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	4.70%	
<b>Bearing Corrosion</b> (ASTM D1742)	48h at 52°C	Pass	
<b>Copper Corrosion</b> (ASTM D130 / DIN 51811)	24h at 100°C	1b	
<b>Apparent Viscosity</b> (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	3.080,000 cP	
<b>Four Ball Wear</b> (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>r</sub>	0.68mm	
	Dynamic Coefficient of Friction (steel on steel)	0.072	
<b>Low Temperature Torque</b> (ASTM D1478)	-40°C	Start	531 g-cm
		Run, 60 min	118 g-cm
<b>Oxidation Stability</b> (ASTM D942 / DIN 51808)	100h at 100°C	4.5 psi	

\*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.

### Engineered Custom Lubricants

IATF 16949 • Registered QMS

3851 Exchange Ave. • Aurora, IL 60504 • T: 630.449.5000 • F: 630.585.0050 • E: eclusa\_customer@quakerhoughton.com • [www.ecllube.com](http://www.ecllube.com)

DISCLAIMER: Since we cannot anticipate or control the many different conditions under which this information and our product may be used, we cannot guarantee the applicability of this information or the suitability of our product in any individual situation. For the same reason, the product discussed is sold without warranty expressed or implied. Please contact Engineered Custom Lubricants for assistance and recommendations prior to writing or releasing any engineering specifications.