



**Innovation and Experience at Work**

## EvoLube R602DHG

EvoLube R602DHG is synthetic polyurea-thickened grease containing PTFE with outstanding long-life properties. Polyurea thickeners act to inhibit oxidation, which adds to the life of the grease. This fully synthetic product is made from polyalphaolephin oil that will pour at -60°C, giving excellent cold temperature properties. It can also operate for a limited time at temperatures up to 200°C. EvoLube R602DHG is water resistant multi-purpose grease that is compatible with most plastics and elastomers. This product is environmentally friendly as it contains no heavy metals.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
<b>Type</b>			PAO
<b>Temperature Service Range (°C)</b>			-40 to 150
GREASE CHARACTERISTICS			TYPICAL VALUE *
<b>Thickener</b>			Polyurea
<b>Color</b>			Green
<b>Appearance</b>			Smooth
<b>NLGI Grade</b>			2
<b>Penetration (ASTM D217 / DIN 51804-T1)</b>	Unworked		265-295
	Worked	60X	265-295
		100,000X	280
<b>Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)</b>			260 min.
<b>Oil Separation (ASTM D6184)</b>		24h at 100°C	2% max.
<b>Oil Separation (ASTM D1742)</b>		24h at 25°C and 1.72 kPa	1.94%
<b>Evaporation (CTM-1)</b>		22h at 100°C	1% max.
<b>Water Washout (ASTM D1264 / DIN 51807-T2)</b>		60 min at 79°C	0.44%
<b>Copper Corrosion (ASTM D130 / DIN 51811)</b>		24h at 100°C	1a
<b>Apparent Viscosity</b> (Brookfield Viscometer T-C spindle, 1 rpm)		-40°C	6,000,000 cP
<b>Four Ball Wear (ASTM D2266 / DIN 51350-T5)</b>		60 min 1200 RPM 75°C 40kg <sub>f</sub>	0.57mm
<b>Specific Gravity (CTM-2)</b>		25°C	0.93
<b>Oxidation Stability (ASTM D942 / DIN 51808)</b>		100h at 100°C	7 kPa
<b>Low Temperature Torque (ASTM D1478)</b>	-40°C	Start	1,645 g·cm
		Run 10 min	501 g·cm
		Run 60 min	228 g·cm

**Engineered Custom Lubricants**

ISO/TS16949:2009 • Registered QMS

3851 Exchange Ave. • Aurora, IL 60504 • T: 630.449.5000 • F: 630.585.0050 • E: [customerservice@eclube.com](mailto:customerservice@eclube.com) • [www.eclube.com](http://www.eclube.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. ECLI Products, LLC, owns and does business as Engineered Custom Lubricants and Lubrication Technology.