



Innovation and Experience at Work

EvoLube R602DB

EvoLube R602DB 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 R602DB 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 *	
Type		PAO	
Temperature Service Range (°C)		-40 to 150	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Polyurea	
Color		Black	
Appearance		Smooth	
NLGI Grade		2	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	265-295	
	Worked	60X	265-295
		100,000X	280
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		260 min.	
Oil Separation (ASTM D6184)	24h at 100°C	2% max.	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	1.94%	
Evaporation (CTM-1)	22h at 100°C	1% max.	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	0.44%	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1a	
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	6,000,000 cP	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f	0.57mm	
Specific Gravity (CTM-2)	25°C	0.93	
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C	7 kPa	
Low Temperature Torque (ASTM D1478)	-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 • 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.