



*Innovation and Experience at Work*

## RheoGel 4000

RheoGel 4000 is advanced synthetic hydrocarbon grease prepared from lithium-based thickening agent and fortified with additives to improve oxidative stability and promote film formation during transient sub-elastohydrodynamic operating conditions. This grease has been designed for automotive and industrial rolling element bearing applications.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			-40 to 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Lithium
Color			Light Tan
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		265-295
	Worked	60X	265-295
		10,000X	319
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			260 min.
Oil Separation (ASTM D6184)	24h at 100°C		4.13%
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		1.84%
Evaporation (CTM-1)	24h at 100°C		0.48%
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C		4.8%
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1b
Bearing Corrosion (ASTM D1743)	48h at 52°C		No Corrosion
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		5,460,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>		0.45mm
Specific Gravity (CTM-2)	25°C		0.86
Oxidation Stability (ASTM D942 / DIN 51808)	168h at 100°C		14 kPa
Fretting Wear (ASTM D4170)			1.8 mg

**Engineered Custom Lubricants**

ISO/TS16949:2009 • Registered QMS

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