



**Innovation and Experience at Work**

## RheoGel 4006

RheoGel 4006 is a synthetic hydrocarbon grease prepared from a lithium-based thickening agent and fortified with additives to improve oxidative stability and promote film formation during transient sub-EHD operating conditions. This grease has been designed for wide temperature automotive and industrial applications and is recommended from -50°C to 150°C. Specially formulated for rolling element bearing applications. Special Features of the Grease Include: Wide Temperature Serviceability, Good Corrosion Protection, Excellent Boundary Lubricating Characteristics,

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-50°C to 150°C	
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	301
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		260 min.	
Oil Separation (ASTM D6184)	24h at 100°C	6.3%	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	4.0%	
Evaporation (CTM-1)	24h at 100°C	0.93%	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	7.5%	
Copper Corrosion (ASTM D4048)	24h at 100°C	1b	
Corrosion Protection (ASTM 1743)		PASS	
Apparent Viscosity (Brookfield Viscometer CP-52 spindle, 10 rpm)	25°C	35,149 cP	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>	0.49mm	
Specific Gravity (CTM-2)	25°C	0.839	
Low Temperature Torque (ASTM D1478)	-40°C	Start	1328 g-cm
		Run 60 min	206 g-cm

**Engineered Custom Lubricants**

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