



**Innovation and Experience at Work**

## RheoGel 108-1G

RheoGel 108-1G is 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 low temperature automotive applications.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			PAO
Temperature Service Range (°C)			-50 to 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Lithium
Color			Green
Appearance			Smooth
NLGI Grade			1
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		310-340
	Worked	60X	310-340
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			210 min.
Oil Separation (ASTM D6184)	24h at 100°C		8% max.
Oil Separation (ASTM D1742)	24h at 25°C		7.3%
Evaporation (CTM-1)	24h at 100°C		2% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C		1.5%
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1b
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		1,660,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>f</sub>		0.51mm
Specific Gravity (CTM-2)	25°C		0.89
Low Temperature Torque (ASTM D1478)	-40°C	Start	533 g.cm
		Run 60 min	163 g.cm

**Engineered Custom Lubricants**

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