

## RheoGel 108-1

RheoGel 108-1 is synthetic hydrocarbon grease prepared from lithium-based thickening agent and fortified with PTFE and 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		Synthetic hydrocarbon	
Temperature Service Range (°C)		-50 to 125	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Lithium	
Color		Off White	
Appearance		Smooth	
NLGI Grade		1	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	270 min.	
	Worked	60X 310-340	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		220 min.	
Oil Separation (ASTM D6184)	24h at 100°C	7% 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 max.	
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

\*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.