

## RheoGel PA2110N

RheoGel PA2110N is synthetic hydrocarbon grease prepared from lithium-based thickening agent. It is fortified with additives to improve oxidative stability and promote film formation during transient sub-elastohydrodynamic operating conditions. This grease had been designed for low temperature automotive applications that are sensitive to increased efforts.

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		2	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	250 min.	
	Worked	60X 265-295	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		200 min.	
Oil Separation (ASTM D6184)		24h at 100°C 7% max.	
Oil Separation (ASTM D1742)		24h at 25°C and 1.72 kPa 5.8%	
Evaporation (CTM-1)		24h at 100°C 2% max.	
Water Washout (ASTM D1264 / DIN 51807-T2)		60 min at 38°C 1.8%	
Copper Corrosion (ASTM D130 / DIN 51811)		24h at 100°C 1b max.	
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)		-40°C 2,100,000 cP	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg <sub>r</sub>	0.47mm	
	Dynamic Coefficient of Friction (steel on steel)	0.107	
Specific Gravity (CTM-2)		25°C 0.84	
Low Temperature Torque (ASTM D1478)	-40°C	Start	738 g-cm
		Run 10 min	442 g-cm
		Run 60 min	177 g-cm
Fretting Wear (ASTM D4170)		18.6 mg	

\*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.