



Innovation and Experience at Work

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 _r		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

Engineered Custom Lubricants

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