



RheoGel 108Y

RheoGel 108Y 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			Synthetic Hydrocarbon
Temperature Service Range (°C)			-50 to 125
GREASE CHARACTERISTICS			TYPICAL VALUE *
Thickener			Lithium
Color			Yellow
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		260
	Worked	60X	265-295
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)			210 min.
Oil Separation (ASTM D6184)	24h at 100°C		7% max.
Oil Separation (ASTM D1742)	24h at 25°C		6.2%
Evaporation (CTM-1)	24h at 100°C		1.5% max.
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C		2.20%
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C		1b max.
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		3,800,000 cP
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f		0.55mm
	Dynamic Coefficient of Friction (steel on steel)		0.082
Specific Gravity (CTM-2)	25°C		0.88
Low Temperature Torque (ASTM D1478)	-40°C	Start	449 g-cm
		Run 10 min	345 g-cm
		Run 60 min	228 g-cm