

Innovation and Experience at Work

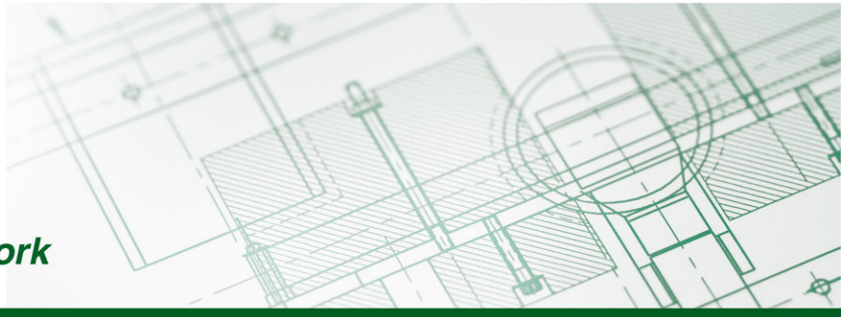
RheoGel 429

RheoGel 429 is widely accepted synthetic hydrocarbon grease. This is fortified with an effective extreme pressure agent for heavily loaded metal-on-metal applications. RheoGel 429 is recommended for slides, tracks, shafts, gearboxes, and numerous other lube-for-life automotive body hardware applications.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-40 to 150	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Lithium	
Color		Green	
Appearance		Smooth	
NLGI Grade		1 ½	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	260 min.	
	Worked	60X	285-315
		10,000X	287
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		200 min.	
Oil Separation (ASTM D6184)	24h at 100°C	6% max.	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	5% max.	
Evaporation (CTM-1)	24h at 100°C	1% max.	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 41°C	1.61%	
	60 min at 79°C	3.91%	
Bearing Corrosion (ASTM D1743)	48h at 52°C	No Corrosion	
Kesternich Flow Pressure (DIN 51808)	20°C	1.25 psi 2.55 inches Hg 34.60 inches H2O 8.62 kPa 86.19 mbar	
	-35°C	3.60 psi 7.33 inches Hg 99.65 inches H2O 24.82 kPa 248.2 mbar	

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Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	2,100,000 cP	
	-60°C	8,300,000 cP	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1b max.	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _r	0.46mm max.	
Oxidation Stability (ASTM D942 / DIN 51808)	168h at 100°C	3.0 psi	
Coefficient of Friction	Dynamic, steel on steel	0.047	
Specific Gravity (CTM-2)	25°C	0.84	
Low Temperature Torque (ASTM D1478)	-40°C	Start	1180 g-cm
		Run 10 min	472 g-cm
		Run 60 min	295 g-cm
	-60°C	Start	3,023 g-cm
		Run 10 min	1,261 g-cm
		Run 60 min	527 g-cm