



Innovation and Experience at Work

RheoGel R430

RheoGel R430 is calcium-thickened grease formulated with synthetic hydrocarbon oil. The base oil used in this lubricating grease provides good low temperature performance at -40°C. The grease is fortified with PTFE to reduce friction and wear in automotive body hardware applications. This grease has excellent ferrous corrosion protection properties.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-40 to 125	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Calcium Sulfonate Complex	
Color		Tan	
Appearance		Smooth	
NLGI Grade		1.5	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	280 min.	
	Worked	60X	290-320
		10,000X	338
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		225 min.	
Oil Separation (ASTM D6184)	24h at 100°C	6% max.	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	0.74%	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C	0.45%	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1b	
Bearing Corrosion (ASTM D1743)	48h at 52°C	No Corrosion	
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	8,600,000 cP	
	-60°C	>8,800,000 cP	
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _r	0.39mm	
	Dynamic Coefficient of Friction (steel on steel)	0.078	
Specific Gravity (CTM-2)	25°C	0.989	
Low Temperature Torque (ASTM D1478)	-40°C	Start	6,117 g.cm
		Run 10 min	2,990 g.cm
		Run 60 min	1,131 g.cm
	-60°C	Frozen, >30,000 g.cm	
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C	14 kPa	
Four Ball Extreme Pressure (ASTM D2596 / DIN 51350-T4)	Load Wear Index	53.81	
	Last Non-Seizure Load (scar)	100 kg (0.42mm)	
	Last Seizure Load (scar)	250 kg (2.67mm)	
	Weld Load	315 kg	

Engineered Custom Lubricants

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