A QUAKER CHEMICAL COMPANY

Innovation and Experience at Work

RheoGel 2204

RheoGel 2204 is a synthetic hydrocarbon grease prepared from a lithium-based thickening agent and fortified with additives to improve oxidative stability and promote film formation during transient sub-EHD operating conditions. This grease has been designed for low temperature automotive applications and is recommended from –40°C to 150°C.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			Synthetic Hydrocarbon
Temperature Service Range (°C)			–40°C to 150°C
GREASE CHARACTERISTICS			**TYPICAL VALUE ***
Thickener			Litnium
Color			Natural
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217)	Unworked		250 min.
	Worked	60X	265-295
		10,000X	284
Dropping Point (°C) (ASTM D2265)			200 min.
Oil Separation (ASTM D6184)	24h at 100°C		5% max.
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa		3.7%
Evaporation (CTM-1)	24h at 100°C		1% max.
Water Washout (ASTM D1264)	60 min at 38 °C		1.75%
Copper Corrosion (ASTM D4048)	24h at 100°C		1a
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C		2.1×10^6 cP
	25°C		40,470 cP
Four Ball Wear (ASTM D2266)	60 min 1200 RPM 75°C 40kg_f		0.52mm
Specific Gravity (CTM-2)	25°C		0.85
Oxidation Stability (ASTM D942)	168h at 100°C		17 kPa
Low Temperature Torque (ASTM D1478)	-40°C	Start	1180 g-cm
		Run 60 min	177 g-cm

*The typical values reported on this data sheet should not be used for writing specifications or creating drawings. Please consult ECL for assistance in preparing a specification for this product. Refer to our product Material Safety Data Sheet for detailed safety information.

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3851 Exchange Ave. • Aurora, IL 60504 • T: 630.449.5000 • F: 630.585.0050 • E: customerservice@ecllube.com • www.ecllube.com