



## RheoGel R501

RheoGel 501 is a synthetic grease specifically formulated for demanding automotive applications. This lubricating grease is formulated with a high melting point, calcium- complex thickener system possessing excellent resistance to moisture and good load carrying characteristics. It is fortified to increase the lubricant film thickness under EHD operating conditions. Recommended operating range is from -40°C to 150°C.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
Type		Synthetic Hydrocarbon
Temperature Service Range (°C)		-40 to 150°C
GREASE CHARACTERISTICS		TYPICAL VALUE *
Thickener		Calcium Sulfonate Complex
Color		Tan
Appearance		Smooth
NLGI Grade		1
Penetration (ASTM D217)	Unworked	330
	Worked	60X 334
Dropping Point (°C) (ASTM D2265)		>260°C
Oil Separation (ASTM D6184)	24h at 100°C	0.80%
Evaporation (CTM-1)	24h at 100°C	0.20%
Water Washout (ASTM D1264)	60 min at 79 °C	0%
Copper Corrosion (ASTM D4048)	24h at 100°C	1b
Apparent Viscosity	-40°C (Brookfield Viscometer T-C spindle, 1 rpm)	5.1x10 <sup>5</sup> cP
	25°C (Brookfield Viscometer T-A spindle, 10 rpm)	55,200 cP
Four Ball Wear (ASTM D2266)	60 min 1200 RPM 75°C 40kg <sub>r</sub>	0.49mm
Specific Gravity (CTM-2)	25°C	0.97
Oxidation Stability (ASTM D942)	168h at 100°C	38 kPa

\*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.