

RheoGel 431

RheoGel 431 is an extreme pressure fortified synthetic grease formulated for demanding automotive and industrial applications. It possesses excellent extreme pressure and anti-wear properties and is fortified with polytetrafluoroethylene.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *	
Type		Synthetic Hydrocarbon	
Temperature Service Range (°C)		-40 to 150	
GREASE CHARACTERISTICS		TYPICAL VALUE *	
Thickener		Lithium	
Color		Yellow	
Appearance		Smooth	
NLGI Grade		1.5	
Penetration (ASTM D217 / DIN 51804-T1)	Unworked	270 min.	
	Worked	60X 285-315	
Dropping Point (°C) (ASTM D2265 / DIN ISO 2176)		185 min.	
Oil Separation (ASTM D6184)	24h at 100°C	5% max.	
Oil Separation (ASTM D1742)	24h at 25°C and 1.72 kPa	8.4%	
Evaporation (CTM-1)	24h at 100°C	1% max.	
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	2.75%	
Copper Corrosion (ASTM D130 / DIN 51811)	24h at 100°C	1b	
Apparent Viscosity (Brookfield Viscometer T-C spindle, 1 rpm)	-40°C	2,660,000 cP	
Four Ball Wear (ASTM D2266)	60 min 1200 RPM 75°C 40kg _f	0.56	
Specific Gravity (CTM-2)	25°C	0.89	
Oxidation Stability (ASTM D942 / DIN 51808)	100h at 100°C	10 kPa	
	168h at 100°C	14 kPa	
	500h at 100°C	43 kPa	
Low Temperature Torque (ASTM D1478)	-40°C	Start	670 g-cm
		Run 60 min	208 g-cm

*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.