



Product Data

Typical Characteristics

NLGI Grade	2
Thickener Type	Lithium
Dropping Point, ASTM D 2265, °C/°F	188/370
Penetration, ASTM D 217, Worked 60 Strokes, mm/10	265/295
Worked 100M Strokes, percent change	+5
Base Fluid Properties	
Viscosity, ASTM D 445, D 2161:	
@40°C, cSt	143
@100°C, cSt	14
@100°F, cSt/SUS	162/750
@210°F, cSt/SUS	14/75
Flash Point, ASTM D 92, °C/°F	260/500
Pour Point, ASTM D 97, °C/°F	-15/+5
Oxidation Stability, ASTM D 942:	
Pressure drop @ 100 hrs., kPa/psi	20/3
Pressure drop @ 300 hrs., kPa/psi	7/48
Water Washout, ASTM D 1264:	
@ 100°F/30°C, percent loss	7.7
@ 175°F/79°C, percent loss	9.5
Rust Prevention Properties, ASTM D 1743 rating	Pass
Emcor Rust Test, ASTM D6138, IP 220/85, rating	0/0 (Pass)
Roll Stability, ASTM D 1831, points change	6
Mechanical Stability, SKF-V2F Machine, 500 rpm @ 122°F/50°C	No Leakage
Oil Separation, ASTM D 1742 Percent	3.2
Wheel Bearing Performance, ASTM D 1263:	
Leakage, grams	0.04
Deposits	None
Timken EP Test, ASTM D 2509, OK Value, kg/lbs	16/35
Four Ball EP Test, ASTM D 2596:	
Load Wear Index, kg	63
Weld Load, kg	250
Four Ball Wear Test (1 hr., 40 kg, 1800 rpm, 75°C/167°F), Scar Diameter, mm	0.52
Roller Bearing - Dynamic Performance, DIN 51806 (SKF R2F Machine):	
Room Temperature	Pass
Elevated Temperature	Pass
Molub-Alloy Solids, Grade Classification	Precision Bearing

Subject to Usual Manufacturing Tolerances

All reasonable care has been taken to ensure that this information is accurate as of the date of printing. Nevertheless, such information may be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.