



Product Data

Optitemp™ SB 100-1

Wheel Bearing Grease

Description

Castrol Optitemp™ SB100-1 is a high performance grease based on fully synthetic base oil and a Lithium thickener system, targetted for wheel bearing applications.

It provides excellent low temperature properties as well as excellent corrosion and wear protection.

Application

For use as first fill in Wheel Bearing of Automotive cars.

Typical Characteristics

Name	Method	Units	Optitemp SB 100-1
Appearance	Visual	-	Smooth
Colour	Visual	-	Yellow
Thickner Type	-	-	Lithium
Base Oil Type	-	-	Synthetic
Worked Penetration at 25°C, 60 cycles	DIN ISO 2137 // ASTM D217	1/10 mm	310 - 340
Dropping Point, Grease	DIN ISO 2176	°C °F	>190 >374
NLGI Grade	ASTM D217	-	1
Base oil viscosity at 40°C / 104°F	ASTM D445	mm ² /s	100
Viscosity Index	ISO 2909 // ASTM D2270	-	160
Density at 20°C / 68 °F	IP 530	kg/m ³	880
Emcor (1% NaCl)	ISO 11007 // ASTM D6138	Rating	≤ 0/1
Water Resistance	DIN 51807-1	Rating	1 - 90
Four Ball Wear Scar	ASTM D2266	mm	0.4
Four Ball Weld Load	DIN 51350:4	N	3800
Flow Pressure at -40°C / -40 °F	DIN 51805	hPa	<400
Low Temperature Torque at -50°C / -58 °F Starting Torque	ASTM D1478	Nm	<0.5
Low Temperature Torque at -50 °C/ -58 °F Running Torque	ASTM D1478	Nm	<0.1

Subject to usual manufacturing tolerances.

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