



Castrol Endurex 4000 Plus

Perfluoroether Grease

Description

Castrol Endurex™ 4000 Plus is a NLGI 2 synthetic grease based upon advanced perfluoroether technology designed for critical "under-thehood" automotive applications which require "Sealed-for-Life" capabilities and a wide operating temperature range. The superior lowtemperature performance of Castrol Endurex 4000 Plus provides improved response on winter days while maintaining high temperature performance.

Application

Castrol Endurex 4000 Plus can be used for hydraulic clutches, pistons, air pumps, fan clutches, anti-lock braking systems, and ball and roller bearing components, in static or dynamic conditions, which come in direct contact with fuel, brake fluid, and/or extreme temperatures. Additionally, this product may be used for reactive metal electrical contacts due to its low volatility and excellent oxidative stability.

Advantages

- Wide operating temperature range.
- Chemically inert to fuels, brake fluids and aggressive chemicals.
- Excellent load carrying ability.
- "Sealed-for-Life" capability.
- Compatible with most metal plastics, and elastomers.
- Exceptional low temperature performance.

Typical Characteristics

Name	Method	Units	Endurex 4000 Plus
NLGI Grade	-	-	2
Unworked Penetration	ASTM D217 / IP 50	0.1 mm	287
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	279
Base Oil Viscosity @ -40°C / -40°F	ISO 3104 / ASTM D445	mm ² /s	3283
Rust Test (distilled water)	ASTM D1743	Pass	Pass
Oil Separation (30 hrs @ 204°C / 400°F)	ASTM D6184 / FTM 321.2	% wt	4.81
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ISO 51350 / ASTM D2266	mm	0.74
Dropping Point	ASTM D2265	°C/°F	265.5/510
Copper Corrosion (24 hrs, 100°C / 212°F)	ASTM D4048	Rating	1b
Evaporation Loss (22 hrs @ 204°C / 400°F)	ASTM D2595	% wt	1.26

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