



AUSBOND HL-97C

Technical Data Sheet

Description

Ausbond HL-97C food grade High Temperature Chain Lubricant is based on highly polar biodegradable base oil and is inhibited against oxidation to give a long-wet film life at high temperatures. The highly polar molecules strongly adhere to the surface and withstand high temperatures, at the same time separating the moving parts due to its highly viscous lubricating film maintained at these high temperatures.

Ausbond HL-97C is designed for the lubrication of conveyor chains and bearings running continuously at high temperatures, up to 300°C, and short periods up to 320°C, on textile stenters, drying machines, bakery ovens and on paint stoving chains.

Typical Uses

Although usually applied by automatic lubricators, Ausbond HL-97C can be applied by hand if so desired

Advantages

- Long fluid life at high temperatures, which provides maximum lubricant economy
- Does not form hard carbon deposits
- Excellent load and anti-wear properties (Anti-wear test at 50kg for 2 hrs cf std test 40 for 1 hr)
- Miscible with most ester-based fluids
- Highly polarised molecules providing excellent lubricity

Specification

Appearance	-	Clear liquid
Viscosity @ 40°C	-	320 cSt.
Viscosity @ 100°C	-	25 cSt.
Viscosity Index	-	95
Pour Point	-	-36°C
Specific Gravity	-	0.98
Noack Weight Loss after 1 Hr at 250°C	-	<2.0%
Shell 4 Ball (IP239), Weld Load	-	200kg
Scar Diameter, 50 kg for 2 Hrs	-	0.39 mm
40 kg for 1 Hr	-	0.33 mm
Temperature Range	-	-35 to 300°C
(Up to 320°C for short periods)		
Flash Point (COC) °C min	ASTM D92	315°C
Auto ignition temperature	ASTM D2155-66	350°C