

Mobilith SHC PM

Synthetic Paper Machine Grease

The Mobil logo consists of the word "Mobil" in a blue, sans-serif font. To the right of the text is a red, curved shape that resembles a stylized flame or a drop, which is part of the Mobil brand identity.

Product Description

Mobilith SHC PM (Paper Machine) is a cream-colored, very high performance grease which combines the unique features of a synthetic base fluid with a lithium complex soap thickener. It has an NLGI grade of 1.5 and a base fluid ISO VG of 460.

Benefits/Advantages

- Wide operating temperature range of -40°C to 180°C.
- Excellent corrosion protection from acid water.
- Outstanding structural stability in the presence of water.
- Excellent wear protection under heavy loads, slow speeds, and high temperatures.
- Low volatility.
- Extended relubrication intervals.
- Reduced energy consumption.
- Lead, chlorine and nitrite free.

Application

Mobilith SHC PM is recommended for critical rolling element bearing applications in paper machines. It provides outstanding protection against rust and acid water corrosion, making it ideal for the wet end of the paper machine. Through the use of high viscosity base fluid, the grease is excellent for highly loaded, low to moderate speed press section bearings. The low volatility and excellent high-temperature oxidation stability of the synthetic base fluid maximize relubrication intervals and bearing life in the high-temperature felt roll and calender stack bearings.



Typical Properties

Mobilith SHC PM

NLGI Grade	1.5
Soap Type	Lithium Complex
Structure Type	Smooth, Slightly Tacky
Color	Cream
Penetration Worked	305
Dropping Point, °C	250
Viscosity of Base Oil cSt at 40°C	460
cSt at 100°C	46.5
4-Ball Wear, Scar mm	0.5
4-Ball Weld Load ,kg	250
Timken OK Load, kg	22.7
Emcor Rust Test with 4.5 pH Acid Water	0-0
Water Spray, % Loss	60

Health and Safety

Based on available toxicological information, this product produces no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on this product, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

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