

## ExxonMobil 460 Mobilith SHC PM

Category : Fluid , Lubricant , Lithium Gellant

### Material Notes:

Mobilith SHC PM greases are supreme performance products designed specifically for severe paper machine applications, including extreme temperature environments and exposure to different qualities of water. Mobilith SHC PM greases combine the unique features of a synthetic base fluid with those of a high quality lithium complex thickener. The wax-free nature of the synthetic base fluid provides excellent low temperature pumpability and low starting and running torque compared to non-synthetic oil products of the same viscosity. The high viscosity index of the synthetic base fluid ensures excellent film protection at high temperatures. The lithium complex thickener contributes excellent adhesion, structural stability and resistance to water. These properties are complemented by a special additive system to provide rust and corrosion resistance, wear protection, thermal/oxidative resistance and to enhance water resistance properties. Mobilith SHC PM 220 and Mobilith SHC PM 460 are both NLGI grade 1.5 with base fluids of ISO VG 220 and 460, respectively. Mobilith SHC PM greases are designed for use in the most critical rolling element bearing applications in paper machines. They provide outstanding protection against rust and typical acid and alkali water corrosion, making them ideal for the wet end of the paper machine. The low volatility and excellent oxidation stability of the PAO base stock ensures excellent service at high temperatures typical of dry end conditions. The Mobilith SHC PM series has become the technology of choice for many paper mill operators, worldwide. Their reputation is based on exceptional quality, reliability and the proven performance benefits they deliver. Application Considerations: While Mobilith SHC PM greases are compatible with most mineral oil based products, admixture may detract from their performance. Consequently it is recommended that before changing a system to one of the Mobilith SHC PM greases, it should be thoroughly cleaned out to achieve the maximum performance benefits. If dismantling the system for cleaning before changeover is not feasible, then thorough purging and increased relubrication intervals are strongly recommended. Mobilith SHC PM greases are recommended for critical rolling element bearing applications in paper machines. Included among these are: Wet end paper machine bearings; Highly loaded press section bearings; High-temperature felt roll and calendar stack bearings

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-460-Mobilith-SHC-PM.php](http://www.lookpolymers.com/polymer_ExxonMobil-460-Mobilith-SHC-PM.php)

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	460 cSt	460 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	ASTM D2596
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	-5.00 - 5.0	-5.00 - 5.0	Penetration Consistency Change, Roll Stability, %; ASTM D1831
	305	305	Worked, 25°C; ASTM D217
Timken Test	29500 g	65.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	275 °C	527 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	off-white	
Copper Strip Corrosion, ASTM D4048	1A	
Corrosion Prevention, ASTM D1743	pass	
Emcor/SKF Water Wash Test, IP 220	0	
Soap/Thickener Type	lithium complex	
Water Washout, ASTM D1264, wt%	3	@ 79°C

## Contact Songhan Plastic Technology Co.,Ltd.

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