

## MOSIL SN - 5120

### Premium High Temperature Grease

A synthetic ester based high temperature grease fortified with specialty anti-oxidants to enhance re-lubrication interval. It is further doped with highly stable chemical additives like rust and corrosion inhibitor etc. Excellent high temperature stability is provided by the Complex Soap thickener making it applicable to a wide range of industrial applications including applications involving high temperatures.

#### AREA OF APPLICATION

Anti-friction Ball Bearings operating under extremely high temperatures and medium to high speeds such as in oven conveyors, paint shop conveyors, defense equipments etc.

#### BENEFITS

- Operates effectively at extremes of temperatures.
- Formulated using a Biodegradable Base Oil
- Excellent oxidation resistance resulting in longer re-lubrication interval.
- Protects from rust & corrosion.
- Long-Life lubricant for industry

**PACKING:**      1 Kg Jar, 20 Kg Pail, 180 Kg Drum

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.



<u>Sr</u>	<u>CHARACTERISTICS</u>	<u>TYPICAL VALUES</u>
1.	Appearance	Smooth Homogeneous Grease
2.	Base Oil, Thickener	Synthetic Ester/ Lithium Complex
3.	Color	Beige to Light Brown <i>(Minor variation in shade has no effect on the lubricating properties of the product)</i>
4.	Specific Gravity	0.95 ± 0.05
5.	Drop Point	268°C (minimum) 280°C (typical)
6.	Consistency (NLGI)	# 2
7.	Worked Penetration	265 - 295
8.	Base Oil Viscosity (cSt) 40°C	120 - 140
9.	DN Factor	4,50,000
10.	4 Ball Weld Load (kg)	250 (min)
11.	4 Ball Wear Scar (mm)	0.6 (max)
12.	Copper Strip Corrosion	ASTM 1B
13.	Oxidation Stability @100c/100hrs	0.5 kg / cm <sup>2</sup>
14.	Thermal Stability (%)	0.5 (Max)
15.	Evaporation Loss (% , 180°C, 24h)	4.85
16.	Additives	Anti-wear, Anti-rust, Anti-corrosion and Anti-oxidant
17.	Temperature Range	-35°C to 220°C ( <i>continuous</i> ) -35°C to 250°C ( <i>for short duration</i> )



# PRODUCT BULLETIN



*Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.*

*All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.*

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