



Krystal Lubetech Pvt. Ltd.

B-17, Greenwood City, Sector- 45, Gurgaon,
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PRODUCT DATA SHEET

LITHIUM COMPLEX GREASES

PRODUCT CODE – SP LC

DESCRIPTION: Lithium complex series of greases are high performance, smooth, homogeneous greases formulated with highly refined petroleum oil and fortified with antioxidant, antirust and EP performance additives. They are available in NLGI 3, 2&1 Grade with base oil viscosity VG 220,320 and 460 grades.

FEATURES:

- Excellent antiwear properties giving high protection and extended life to lubricated parts.
- Very high water tolerance and can give satisfactory service in applications where water ingress is unavoidable.
- Products have high drop points which makes it suitable for use at higher operating temperature
- Protection against rust and corrosion leading to longer life of equipments.
- Very good mechanical stability there by reduced consumption.
- Ideally suited for centralized lubrication.
- Operating temperature – Ambient to +150°C

APPLICATIONS: Lithium complex greases are recommended for lubrication of bearings operating under heavy/shock loads at high temperatures. They are most suitable for applications in steel plants and paper mills where water ingress and high temperatures are encountered. They can also be used in mining and other engineering industries.

TYPICAL CHARACTERISTICS

Characteristics	Test Method	Test Data		
		Smooth, homogeneous	Smooth, homogeneous	Smooth, homogeneous
Appearance	Visual	Smooth, homogeneous	Smooth, homogeneous	Smooth, homogeneous
NLGI Grade	-	3/2/1/0	3/2/1/0	3/2/1/0
Penetration workedx60 (Typical for Grade 2)	ASTM D-217	272	285	275
Drop point, Deg C for grades 3/2	ASTM D-2265	240	240	240
Corrosion protection, rating	ASTM D-1743	Pass	Pass	Pass
Viscosity of oil@40 deg C, cSt	ASTM D445	220	320	460
Four Ball wear scar, dia mm	ASTM D-2266	0.6	0.6	0.6
Four Ball Weld Load, Kgs.	ASTM D-2596	250	250	300
Water washout,% wt loss	ASTM D -1264	5	6	5

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