



LITHOPLEX ST 1M



Lithoplex ST

- Lithium Complex Thickener System
- Excellent Shear Stability
- Outstanding Water Resistance
- Excellent EP/Anti-Wear Performance
- Fully Additive Treated
- Contains Polymer for Improved Adhesion
- Excellent for Roll Mill Applications

Robust Formulation



Lithoplex ST

Resists Water

- ISO 460 Oils Utilized
- Polymer Fortified
- Highly Water Resistant
 - Low Water Wash Out (1.4%)
 - Low Water Spray Off (15.1%)
 - Stable in the Presence of Water

Lithoplex ST

Prevents Corrosion

- Passes D-1743 Static Corrosion Test
- Passes Emcor Dynamic Corrosion Test
- Passes 5% Synthetic Sea Water Corrosion Test
- Also Passes Copper Corrosion Test

Lithoplex ST

Reduces Wear

- 500 kgf Weld Point
- 65 Lb. Timken OK Load
- 0.4 mm Wear Scar
- High Viscosity Oils

Lithoplex ST

NLGI Grade

#2

Thickener

Lithium Complex

Color

Dark Green

Texture

Smooth, Adhesive

Rust Prevention

Pass

Timken OK Load

65 lbs.

Four-Ball Weld

500 kg

Four-Ball Wear

0.42 mm

Water Washout,

% Loss 175° F

1.4

Water Spray Off

15.1%

Viscosity (Oil & Poly.)

cSt. @ 40°C

540

cSt. @ 100°C

30



Lithoplex ST

<u>GREASE</u>	<u>PEN CHNG</u>	<u>% SOFTENING</u>	<u>ML WATER BACK</u>
Ca Cplx	Max.	Max.	0
Al Cplx ISO 460	154	67%	0
Li Cplx ISO 460	147	57%	0
Li Cplx Syn	120	45%	0
Li Cplx w/Poly	83	31%	0
Li Cplx Prop. Add	72	29%	0
Li Cplx w/ Pkg.	45	16%	7
Lithoplex ST	33	12%	10

Lithoplex ST

LITHOPLEX ST

Pen Used Grease - Pen New Grease = 39

Iron PPM in Used Grease = 48 PPM

COMPETITOR GREASE (Fully Syn Li Cplx)

Pen Used Grease - Pen New Grease = 82

Iron PPM in Used Grease = 10,548 PPM