

LubX® – The energy savers Energyreducing by optimal sliding characteristics

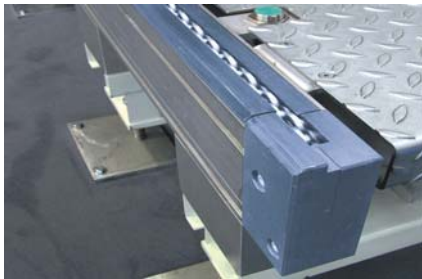
With LubX® S and LubX® C, Röchling Engineering Plastics offers two new high-performance materials, which have been especially developed for applications in materials-handling and automation technologies. Conveyor systems, which are optimal equipped with components with LubX®, need considerably less energy compared to conventional sliding materials. The considerably lower sliding friction coefficient of LubX® eliminates the possibility of the slip-stick effect (back-sliding) almost completely and thus increases process stability.



Bottling plant: LubX® S rail guide aligned of the sliding partner PET

LubX® S

- Especially aligned to the sliding partner PET (particularly beverage bottles)
- Sliding friction coefficient up to 200 % less than with PE-UHMW
- Suitable for contact with foodstuffs (FDA/21CFR177.1520)
- Noise-reducing



LubX® C: Chain guide for stainless steel chain

LubX® C

- Especially aligned to POM and steel (e.g. chain conveyors)
- Sliding friction coefficient compared to POM up to 400 % less than with PE-UHMW
- Sliding friction coefficient compared to stainless steel up to 200 % less than with PE-UHMW
- Suitable for contact with foodstuffs (FDA/21CFR177.1520)
- Noise-reducing



LubX® C: Curve guide for POM conveyor chain

Fore more information please request our new Brochure "LubX® High Performance sliding materials for materials handling industry and automation" under: flash@roechling-plastics.com

Delivery program

- Sheets (up to 2,500 x 6,000 mm)
- Round rods (up to 250 mm diameter)
- Machined components according to the customer's drawing
- Extruded profiles

Comparison of sliding properties



Coefficients of sliding friction under dry conditions
Validated on the application-related Röchling tribology test stand
Speed: 0,25 m/s, Surface pressure: 0,25 MPa, Test time: 24 h