

LubX[®] - High Performance Sliding Material for Material Handling

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With LubX[®] C, Röchling Engineering Plastics offers a new high performance material, which has outstanding dry-running properties at their disposal. It has been especially developed for applications in material handling and automation technologies. Compared with conventional sliding materials, conveying systems equipped with LubX[®] C need considerably less energy. The considerably lower coefficient of friction of LubX[®] C eliminates the possibility of the slip-stick effect (back sliding) almost completely and thus increases process stability.

Tribological systems:

In the development of LubX[®] C, great care has not only been taken to minimize the coefficient of friction of the sliding materials, but also to consider the tribological system of the sliding partners in an integrated manner. The individual motion and transport segments of different conveying systems were analyzed, and the relative movements of the elements and the frictional forces arising at the points of contact examined. These frictional forces have a decisive impact on the performance of the conveying system.

Energy efficiency:

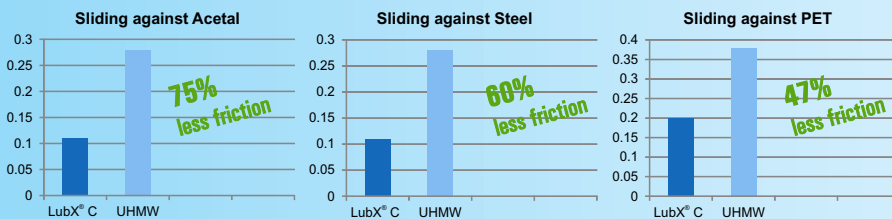
With energy prices rising in the long term, lowering energy costs plays an increasingly more important role in the project planning of production, storage and logistic processes. When utilizing components with optimized sliding properties in conveying processes, the conveying power required – and thus the energy applied – may be reduced to a minimum.

Product Features:

- Coefficient of friction up to 75% less than standard UHMW-PE
- Outstanding dry-running properties
- Energy saving
- FDA Compliant
- Noise reducing
- Eliminates the slip-stick effect (back-sliding)

Comparison of sliding properties

Coefficients of sliding friction under dry conditions

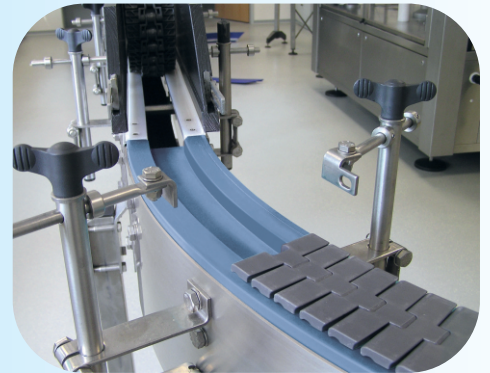


*Validated on the application-related Röchling tribology test stand

Röchling Engineering Plastics offers the most comprehensive product line in the USA and Canada including:

- Polystone[®] M (UHMW-PE)
- Polystone[®] P (Polypropylene)
- Polystone[®] G (HDPE)
- Sustamid[®] Nylon
- Sustarin[®] Acetal
- Susta HPM's

Saves Energy & Reduces Noise
 up to 75%
 less friction



Available as:

Sheets: 1/4" to 4" thick

Color: Blue-Grey

The values indicated result from numerous measurements for an approximation of the values and are to our best knowledge. They serve as information about our products and are presented as a guide to choose from a range of materials. This however does not include an assurance of specific properties or the suitability for particular application purposes that are legally binding. Since the properties also depend on the dimension of the semi-finished products and the degree of crystallization (e.g. nucleating by pigments), the actual values of the properties of a particular product may differ from indicated values.

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