



E-K-S Bioline® Sugar cane

RAW MATERIAL:

Sustainably and ethically grown sugar cane, ISCC Plus certified

SUSTAINABILITY:

Our E-K-S Bioline® sugar cane contributes to reduced utilisation of and dependence on limited fossil raw materials. In addition, the price of fossil raw materials is expected to rise in the coming decades.

IMPROVED CO2 BALANCE:

GWP-total kg CO2e/kg product Savings compared to standard LDPE:
approx. -4.0 kg CO2e / kg material

As they grow, plants absorb carbon dioxide from the atmosphere. By using these plants to produce bio-based plastic products, greenhouse gases (CO2) are removed from the atmosphere.

LIFE CYCLE ASSESSMENT / RECYCLABILITY:

As our E-K-S Bioline® sugar cane can be mechanically recycled in existing recycling plants, it also has the potential to contribute to an improved life cycle assessment (LCA) - "closed-loop". The recyclate obtained from our E-K-S Bioline® sugar cane, can initially be used for new products and finally used to generate renewable energy at the end of the product's life.

ETHICAL SOIL MANAGEMENT:

Plants that are used for industrial purposes, such as those required for the raw material production of our E-K-S Bioline® sugar cane, can also be grown on land that is not suitable for food plants. In this way, they do not displace food plants and improve biodiversity.

CERTIFICATION:

Our E-K-S Bioline® sugar cane complies with Directives 2011/95/EH (RoHS) up to Directive (EU) 2023/171, 1907/2006/EC (REACH) and SVHC ECHA.

TECHNICAL PROPERTIES:

The known technical properties of our E-K-S products remain unchanged even when using our E-K-S Bioline® sugar cane, so that you can convert the material in existing packaging / projects without any problems.

