

FILMOLUX® LIBRE ORGANIC

Environmentally friendly book
protection film – made from the
sustainable raw material sugar cane

THINK GREEN!

filmolux® libre organic is ideal for applications on smooth surfaces, e.g. on paperbacks, comics, paper covers, brochures, folders, etc. Minor filming errors can be corrected when applied to almost any surface. The film extends a book's lifetime by protecting against dirt and wear. The product can be cleaned and disinfected. filmolux® libre organic is suitable to be processed with Neschen's book laminating stations BLS-Classic or BLS-Professional.

- 90 µm glossy, bio-based PE film with UV protection
- Reduced initial adhesion
- Water-based acrylic dispersion adhesive: solvent-free, resistant to ageing, permanently elastic, pH-neutral
- Silicone paper backing with grid for easy cutting
- APEO- and BPA-free, produced according to REACH



 PROTECTING

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SUGAR CANE - THE SUSTAINABLE RAW MATERIAL FILMOLUX® LIBRE ORGANIC IS MADE OF



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The positive environmental impact of using sugar cane as a raw material:

■ Clean energy:

Sugar cane is a versatile and sustainable crop that is used as a clean energy source and as raw material.

■ Protecting the Amazon:

The sugar cane comes from sugar cane mills in Brasil, which only grant operating licences in state-defined areas, more than 2,500 km away from the Amazon.

■ Saving water:

Sugar cane cultivation in Brazil is rarely irrigated because the water demand during the agricultural growth phase can be almost completely covered by natural rainfall.

■ Reducing greenhouse gas emissions:

Each ton of the produced polyethylene captures CO₂ and binds it, helping to reduce greenhouse gas emissions.

■ No waste:

When it is fully grown, the sugar cane is harvested. It is then taken to the mills for further processing. The juice of the first pressing is mostly used for the production of sugar. The subsequent pressing extracts the residual sugar to produce ethanol. Ethanol is used as biofuel or as the main component for the bio-based plastic (I'm green™ plastic). The remaining waste fibres (called bagasse) are utilized to drive the mill, using the heat of the steam for the generation of electricity. This process makes the sugar cane very resourceful. The ashes, together with the waste residue, called vinasse, can then be reused as fertiliser. Vinasse is rich in organic nutrients and water. This organic fertilization on the sugar cane fields reduces the need for chemical fertilizers and thus contributes to reducing greenhouse gas emissions. The bioethanol is dehydrated to produce ethylene, which is then polymerised as a plastic resin. This is the plastic that is used for production of the book protection film filmolux® libre organic.

Using plant-based plastics saves resources and contributes to the fight against climate change.



I'm green
Renewable source
Carbon reduction
Braskem

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