



Portfolio/Edition 2024
© 2024 ARLANXEO. All rights reserved.

SOUTH EAST ASIA & AUSTRALIA

ARLANXEO Singapore Pte. Ltd.
Singapore

CHINA, SOUTH KOREA & JAPAN

ARLANXEO High Performance Elastomers
(Changzhou) Co. Ltd. Shanghai Branch
Shanghai, P.R. China

INDIA & MIDDLE EAST

ARLANXEO India Private Limited
Mumbai, India

EUROPE

ARLANXEO Deutschland GmbH
Dormagen, Germany

ARLANXEO Netherlands B.V.

Geleen, the Netherlands

LATAM

ARLANXEO Brasil S.A.
São Paulo, Brazil

NORAM

ARLANXEO USA LLC
Pittsburgh PA, USA

WWW.ARLANXEO.COM

Keltan® is a registered trademark of ARLANXEO.

Quality & Environmental Management:

All ARLANXEO products are produced under strict control regarding safety, environmental protection and quality. The whole supply chain, from production to customer service, is covered by ISO 9001 and ISO 14001 certification.

Product Safety:

Relevant safety data and references as well as the possibly necessary warning labels are to be found in the corresponding safety data sheets.

Health and Safety Information:

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the ARLANXEO products mentioned in this publication. For materials mentioned which are not ARLANXEO products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets and product labels. Consult us through your ARLANXEO representative.

Regulatory Compliance Information:

Some of the end uses of the products described in this publication must comply with applicable regulations, such as the FDA, BfR, NSF, USDA and CPSC. If you have any questions on the regulatory status of these products, contact your ARLANXEO representative.

The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, is beyond our control.

Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information.

Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any intellectual property right.



Going for Zero. Together.

**INTRODUCING ARLANXEO'S SUSTAINABLE RUBBER PORTFOLIO.
REDUCING OUR FOOTPRINT WHILE MAKING A BIGGER IMPACT.**



INTRODUCING ARLANXEO'S ECO LABEL FOR SUSTAINABLE RUBBER

ARLANXEO offers a rapidly expanding range of sustainable synthetic rubber products under its Eco label. The portfolio of bio-based and bio-circular products helps customers reduce their carbon footprint. ARLANXEO's bio-circular products are ISCC PLUS certified using the mass balance approach. This methodology tracks the use of bio-circular feedstock in the production of our rubber and guarantees that the volume of bio-circular products sold under the Eco label is consistent with the source feedstock.

ISCC PLUS CERTIFIED

ISCC PLUS is a globally recognised sustainability certification scheme by the International Sustainability and Carbon Certification (ISCC). ISCC PLUS certification allows ARLANXEO to incorporate sustainable feedstocks into existing production processes through the 'mass balance approach'. The certification methodology tracks raw materials through the supply chain, allowing ARLANXEO to demonstrate its environmental and sustainability compliance. ARLANXEO received its first ISCC PLUS certification in 2023 for its production plant at Geleen in the Netherlands followed by the certification for the Singapore plant in March 2024. The ISCC PLUS certification program is planned to be rolled out to all ARLANXEO production facilities worldwide.

MASS BALANCE APPROACH EXPLAINED

The mass balance approach is an integral part of the ISCC PLUS certification methodology. Typically bio-based and bio-circular feedstocks are blended with fossil-based feedstocks in the production process. By using the mass balance approach, ARLANXEO is able to track the amount of bio-circular feedstock in the process and attribute it to the final product using verifiable bookkeeping methodology.

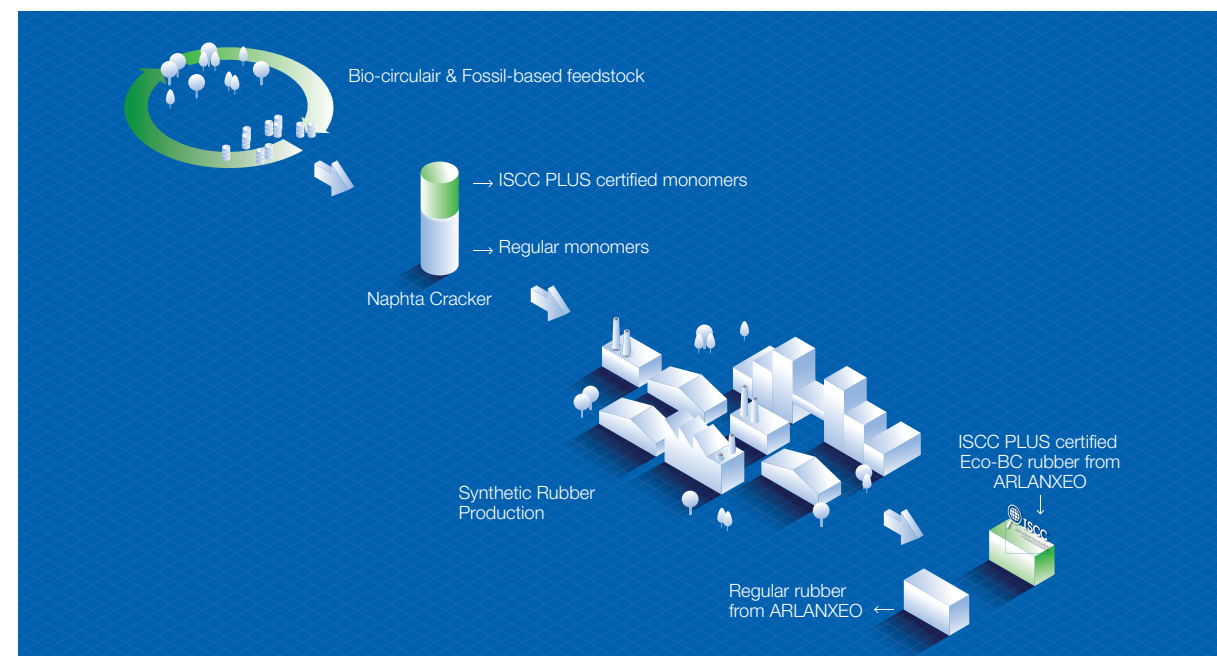
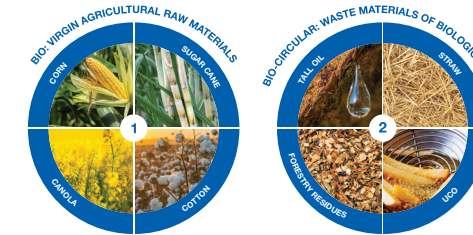


Figure 1. ARLANXEO's ISCC PLUS certified value chain

The mass balance approach allows ARLANXEO to gradually increase the share of bio-circular feedstock in the production process. This calculated share of feedstock can be attributed on an equivalent basis to one or several products. By using the mass balance approach ARLANXEO is allowed to make verifiable claims about the sustainability credentials of its products.

ECO LABELLING AND NAMING CONVENTION

ARLANXEO has introduced a new standardized naming convention for the Eco equivalents of its rubber product portfolio. This naming convention uses ISCC approved definitions and therefore allows customers easily to identify the source of feedstock for any product.



1. Eco-B; to indicate Bio feedstock such as virgin agricultural raw materials
2. Eco-BC; to indicate Bio-Circular feedstock such as waste materials of biological origin

SAME CHARACTERISTICS, SAME PERFORMANCE, LOW FOOTPRINT

Customers can rest assured that the characteristics and performance of ARLANXEO's sustainable rubber products are identical to the regular fossil based rubber products while reducing the carbon footprint significantly. Crystallinity and branching are unchanged as well as the molecular weight distribution and all other polymer characteristics.

EQUIVALENT CO₂ REDUCTIONS

ARLANXEO's Eco products offer customers immediate CO₂ reductions. The example below compare Eco grades to regular grades of a selection of Keltan® products. If you wish to obtain comparative CO₂ reductions for a specific ARLANXEO product, please contact us.

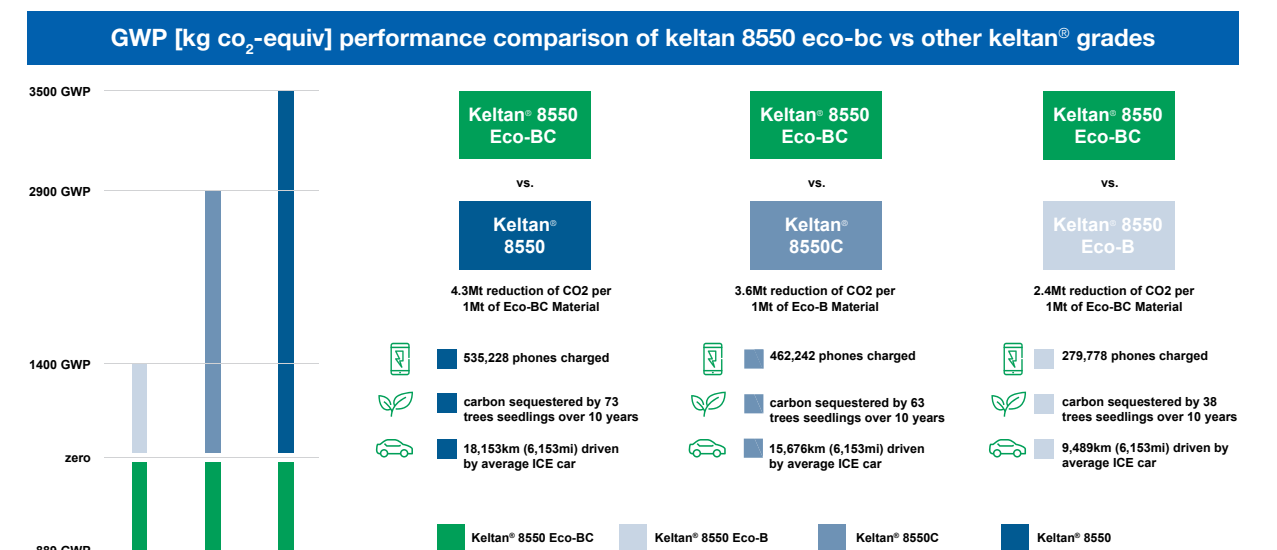


Figure 2. Comparison of a selection of Keltan® Eco grades to regular grades

FINDING A SPECIFIC ECO PRODUCT

For an in-depth guide to all ARLANXEO's Eco labelled products please go to arlanxeo.com/products/finder.