



NEW MATERIALS FROM
CIRCULAR BIO-SOURCES

WHAT IS NERIDE BIOCIRCULAR?

- NERIDE Biocircular is a nylon yarn that **uses resources delivered from Bio-waste materials.**
- NERIDE Biocircular is sourced from materials such as **cooking oils and subproducts from the food chain.**
- It is a **100% biosourced yarn.**
- Bio-origin of raw materias is **certified** by **ISCC plus.**

SUSTAINABLE BENEFITS

- NERIDE Biocircular plays a crucial role in decreasing reliance on non-renewable resources.
- Bio-origin raw materials have **a lower Carbon foot print.**

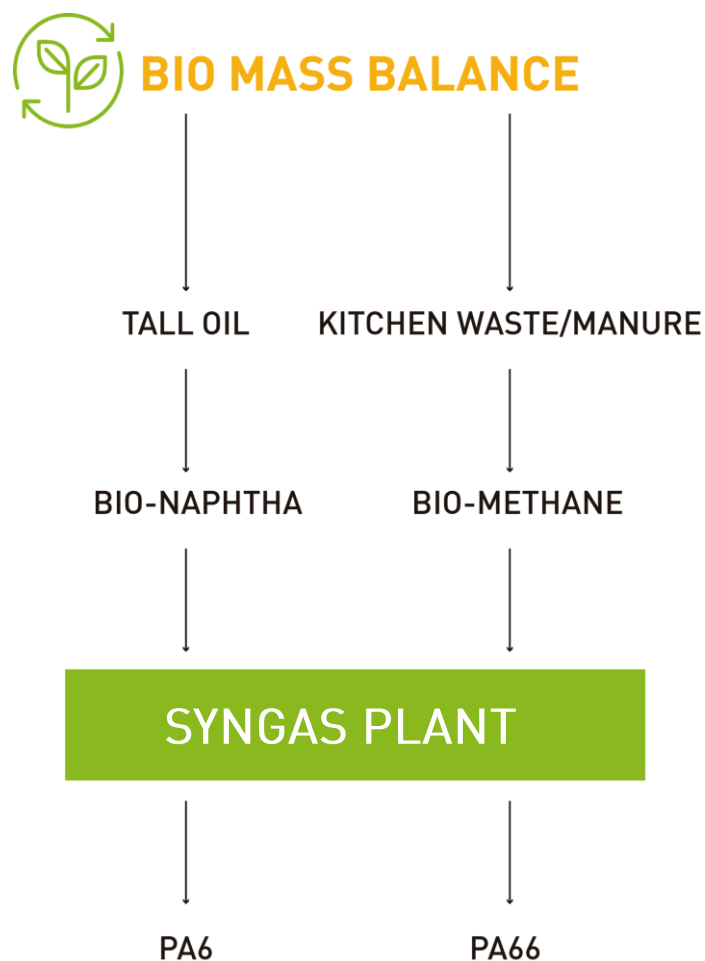
MATERIALS ORIGIN

Bio-waste not competing with food chain:

- **Crude Tall Oil** (CTO) by-product of the paper and wood industry
- **Used Cooking Oil** (UCO) only Vegetable Origin
- **Palm Fatty Acid Distillate** (PFAD)
- Different **by-products from the Palm Oil** production: Palm Oil Mill Effluent (POME) and Spent Bleaching Earth (SBE)



THE PROCESS



MASS BALANCE CERTIFICATIONS

- **ISCC Plus Mass Balance Certification** is a sustainability certification system used in the bioenergy and bio-based product sectors.
- It **ensures traceability and sustainability of materials** throughout the supply chain.
- The certification verifies that the production of materials follows predefined sustainability criteria, including **social, environmental, and economic aspects**.
- Mass balance **certification allows for the mixing of sustainable and non-sustainable materials in the supply chain** while ensuring that the overall sustainability impact is neutral or positive.
- It provides **transparency and credibility** to stakeholders by tracking the sustainable sourcing and use of materials in the production process



NUREL CIRCULARITY PROCESS (I)



From circular and biocircular origin raw materials

Neride Biocircular is the
initial point of a new
sustainable textile industry