



ECONAMID, sustainable polymer

BANDO DI CONFINDUSTRIA 2020/2021

A CURA DI: **ZAMBELLI SOFIA**

I.S. ARCHIMEDE, TREVIGLIO

Nylon 6

POST-INDUSTRIAL WASTES

Steps to produce VIRGIN NYLON (Nylon 6)

1. Polymerization
2. Process to obtain thin filaments
3. Yarn making



During the yarn making a quote of the virgin nylon (around 8-10%) is physiologically lost.



Nylon yarns

A petri dish filled with small, green, cylindrical granules is the central focus. The dish is placed on a dark, textured surface, possibly a forest floor. In the background, there is a blurred image of a forest with green foliage and a bright, circular light source, possibly the sun or moon, creating a lens flare effect. The overall color palette is dominated by greens and blues.

Granular ECONAMID

ECONAMID

Is used as a raw material for new engineering plastics,
reducing the environmental impact.

- QUALITY
- HIGH PERFORMANCE

ECONOMICAL BENEFITS

ECONAMID is cheaper than Virgin nylon.

The economical advantage is about 25/30%.



ENVIRONMENTAL BENEFITS

Steps to produce VIRGIN NYLON (Nylon 6)

1. Oil extraction
2. Transport
3. Refining

With ECONAMID all these steps are skipped.



47%

less WATER
consumed



80%

less CO₂
emitted



60%

less NON RENEWABLE
energy used

Make your
choice.





THE INTERNATIONAL EPD SYSTEM



Data certified by EPD



THANK YOU

FOR YOUR KIND ATTENTION