



New Eco Products Bio-based PA 11

Bio-based PA11 is 100% made with castor oil. By using bio-based material, these new bio-based nylon can reduce the usage of petroleum and cut down carbon emission. Moreover, bio-based material would not change the original characteristic of Nylon; this is a new generation of eco products.

PA11



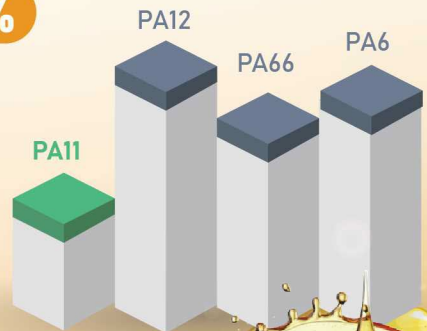
- ✓ 100% Biomass material.
- ✓ Non-food crops, no food competition issues.
- ✓ Continuous agricultural cultivation, short-term rotation plants, be naturally repeated production.
- ✓ Carbon emissions from the pelleting process are neutralized by the oxygen produced when the castor is grown.



CLIMATE CHANGE IMPACT

Standard ISO 14040(kg eq. CO₂/kg)

-40%



Carbon Neutral

O₂

CO₂

CO₂

CO₂

CO₂

CO₂

100%

Fertilizer

Growing

Harvesting

Transport

Oil pressing, processing and conversion

Transport

Polymerization

