

# Material recycled composites

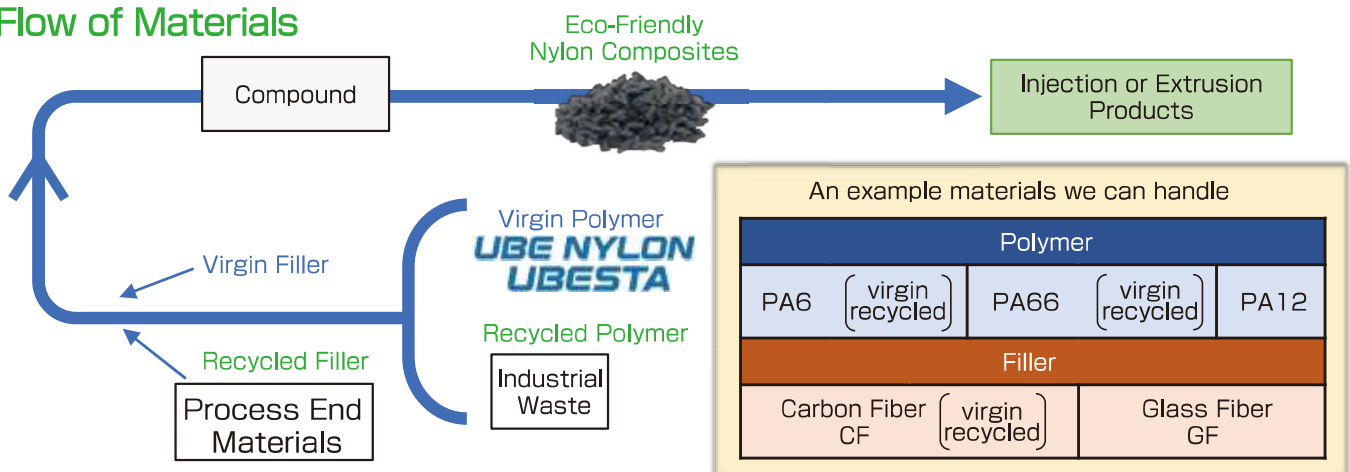
## High-strength materials appealing to reduce environmental impact

**Recycle**

### Compatibility of both low GHG emission and equivalent mechanical property to virgin one

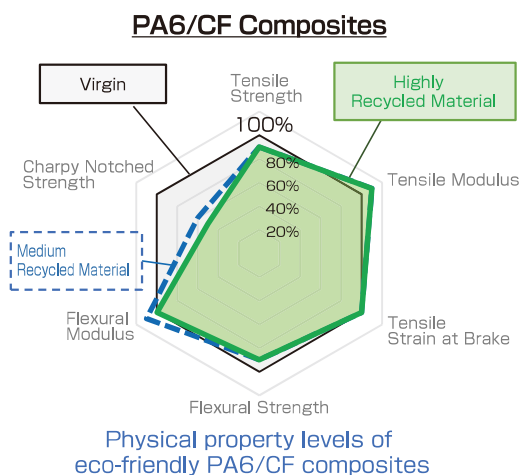
- By using industrial waste as a raw material, GHG emissions can be reduced by up to 75%.
- We have developed materials with physical properties equivalent to those of virgin products through composition studies.
- We have a lineup of various polymer/filler materials to meet our customers' needs.

### Flow of Materials

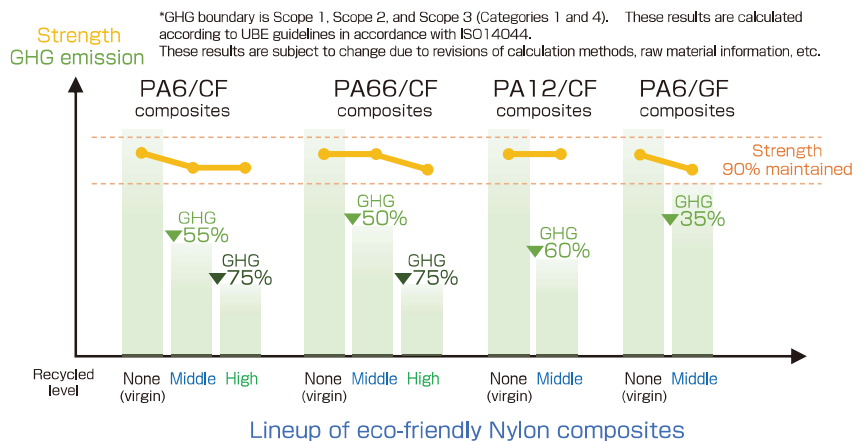


\* "UBE NYLON" and "UBESTA" are registered trademarks of UBE Corporations.

### Properties of Materials



### Comparison of mechanical strength and GHG emission of Nylon composites





UBE Group

# CERTIFIED RECYCLED THERMOPLASTICS

Repol develops a wide range of engineering plastics. Among them, we offer thermoplastics with certified recycled content granted by AENOR under the UNE-EN15343 standard. This certification accredits the percentage of recycled product of our references from the raw material, through the processes that have been part of its development to the final product.

Giving back a new life to the material at the end of its useful life has been a key element for us since 1975, when our activity began with the recycling of fishing nets. Today, it continues to be part of our essence.

## REPOL CERTIFIED GRADES BY AENOR



### PA6 DINALON® B2E25 G20DI-4115

FOOT PRINT REDUCTION\*



Standard

**3,94**  
kg CO<sub>2</sub> eq.

B2X25 G20DI-4115

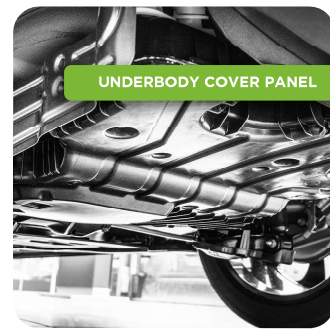
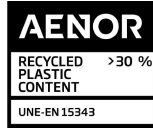


Recycled

**2,39**  
kg CO<sub>2</sub> eq.

B2E25 G20DI-4115

CERTIFICATE



### PA66 DINALON® A2X25 MI H-4109

FOOT PRINT REDUCTION\*



Standard

**5,13**  
kg CO<sub>2</sub> eq.

B2X25 G20DI-4115



Recycled

**3,47**  
kg CO<sub>2</sub> eq.

B2E25 G20DI-4115

CERTIFICATE



## OUR RECYCLED CONTENT ORIGINS



### PRE-CONSUMER

Own recycled material from discards of other productions which has undergone a reuse process to transform it back into suitable raw material. This material is recycled by Repol and also certified by AENOR.

### POST-CONSUMER

Material generated by households, commercial, industrial or institutional facilities in their role as end users of the product that can no longer be used for its intended purpose. Repol works with certified recycled raw material suppliers.

\* System boundary: Cradle-to-Gate. Functional unit: 1 kg of product. Evaluation carried out following the international standards ISO 14040-44 and 14067. Methodology IPCC 2021 100y.