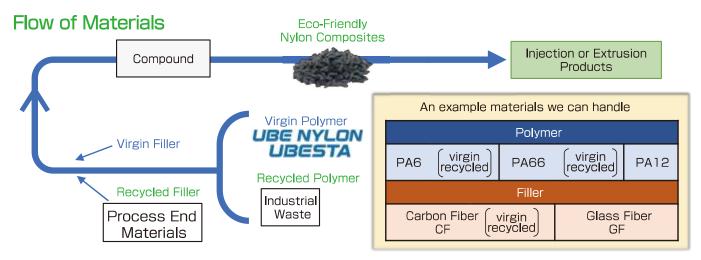
# Material recycled composites

## High-strength materials appealing to reduce environmental impact



#### 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.



<sup>\* &</sup>quot;UBE NYLON" and "UBESTA" are registered trademarks of UBE Corporations.

Tensile Strain at Brake

### **Properties of Materials**

Medium

Recycled Material

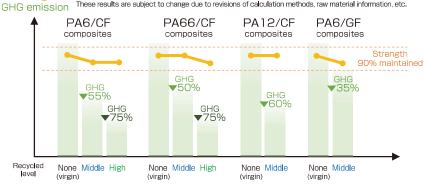
#### Highly Recycled Material Tensile Strength Virgin 100% Charpy Notched Strength Tensile Modulus 40%

PA6/CF Composites

Flexural Strength Physical property levels of eco-friendly PA6/CF composites

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

\*GHG boundary is Scope 1, Scope 2, and Scope 3 (Categories 1 and 4). These results are calculated according to UBE guidelines in accordance with ISO14044. These results are subject to change due to revisions of calculation methods, raw material information, etc.



Lineup of eco-friendly Nylon composites