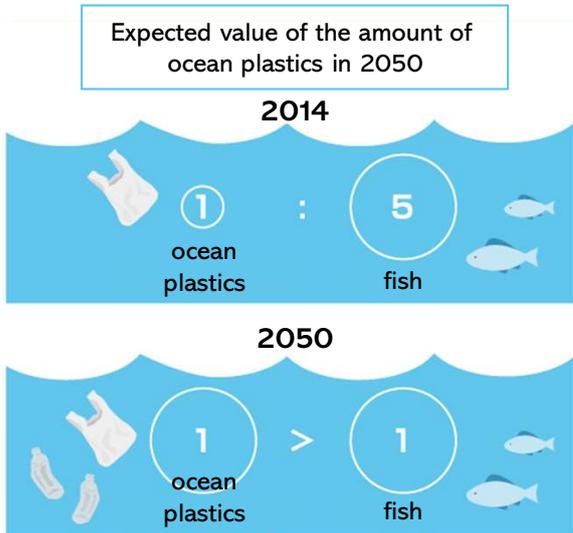


PLASTICS TO SAVE THE OCEANS

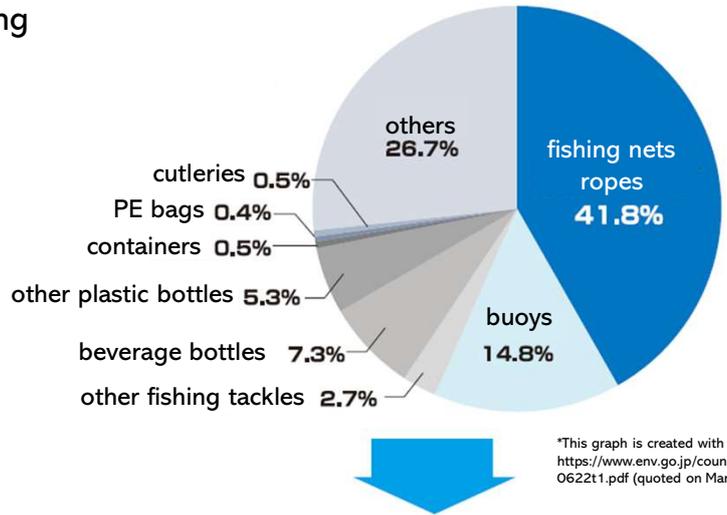


The amount of ocean plastics is increasing



The amount of ocean plastics is estimated to be more than fish.

*This graph is created with reference to the report of WORLD ECONOMIC FORUM The New Plastics Economy: Rethinking the future of plastics



*This graph is created with reference to <https://www.env.go.jp/council/03recycle/200622t1.pdf> (quoted on March 22, 2022)



Effective use of fishing nets will lead to reduction of ocean plastics.

Contribution to reduction of ocean plastics

discarded fishing nets/nylon



material recycle

upcycle

High Performance Recycled Nylon



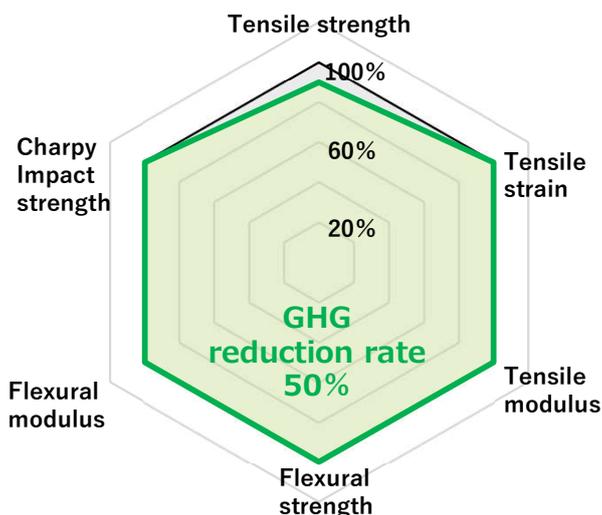
UBE

- ✓ Utilization of recycled materials
- ✓ Adoption of more environmentally friendly materials
- ✓ No compromise on performance

UBE's technology provides a variety of materials to meet your needs.

Example of utilization of recycled fishing net materials

Mechanical properties are almost the same as virgin nylon



Polymer		rPA6		
Filler		vPA6	GF30	GF50
Recycle rate	wt%	—	70	50
Tensile strength	MPa	190	180	235
Tensile strain	%	3	4	2
Tensile modulus	GPa	10	9.5	18
Flexural strength	MPa	280	270	345
Flexural modulus	GPa	9	8.5	15
Charpy impact strength	kJ/m ²	12	12	14