

Stage	Concept	Developing	Developed	Launched
Keyword	Carbon Recycle	Circular Economy		

**Use** Food packaging materials, Cosmetic containers, Automotive parts etc.

**Background**  
 This product is made from sunlight, water, and CO<sub>2</sub>, and retains the high functionality of PP while recycling CO<sub>2</sub> generated by human activities back into a resource.

- CO<sub>2</sub> circulating polypropylene**
- Considering the world's first sale of CO<sub>2</sub> and green hydrogen-derived PP (mass balance method)
  - Significantly reduces CO<sub>2</sub> emissions on a life cycle basis compared to conventional PP derived from fossil resources
  - Produce polypropylene by CO<sub>2</sub> emitted burned non-recyclable plastic or emitted from factory (Under Feasibility Study)

