

The background of the slide is a light blue gradient. It features a collage of various plastic items: a clear plastic water bottle, a white plastic container, a white plastic pump dispenser, a clear plastic cup with a straw, a white plastic cap, and a white plastic gear. In the top left corner, there is a molecular model with blue and white spheres connected by lines.

Functional Polymer, **the green plastic**

 **SK** functional polymer



Increase in takeaway and delivery during COVID-19 has been raising more concerns about environmental problems caused by packaging

- ➡ Pressing demand on packaging materials that are both high-functional and eco-friendly

Functional Polymer

a “hitting two birds with one stone” material

High functional



Eco-friendly

Thermoplastic materials enhanced with a range of functionalities suitable for a wide range of plastic materials for the Packaging and Automotive industries



SKGC is a Korean leading petrochemical corporate that is transforming into the world's largest **ESG-based** green urban oil field company.



SKFP, formerly the Functional Polyolefins Business of Arkema, now is a global subsidiary of SKGC after being acquired by the company in 2020. It has more than 50 years of experience in specialty polyolefins products.

SKFP's functional polymer products :

LOTADER[®]



LOTRYL[®]



OREVAC[®]



EVATANE[®]

LOTADER®



- Impact modifiers for engineering plastics (polyamides, polyesters) used in the electronic and automotive sectors
- Coextrusion binders or tie layers in multilayer structures (packaging)

LOTRYL®



- Easy-peel lids
- Impact modifiers for engineering plastics (PET, PBT)
- Base material for highly filled compounds (Wire & Cable)
- Sealing layers in flexible packaging

Suitable for many applications where excellent **processability** and thermal **stability** required

OREVAC®



- Tie layer in multilayer barrier flexible and rigid packaging
- Compatibilizing agents for plastic blends, including recycled plastics
- Pipe coating adhesives

EVATANE®



- Encapsulant film for solar panels
- Lamination/sealing layer in flexible packaging
- Wire and cable compounds
- Thermo-adhesive films / Hot melt adhesives

Suitable for producing multilayer packaging films where **high adhesion** and **compatibility** needed

How SKFP products contribute to building a **Circular Economy**



Performance enhancers of recycled plastic resins



Compatibilizers of plastic blends



Solutions to design more eco-friendly packaging, especially mono-material ones

Establishing **Circular Value Chain** to lay
the foundation for **Waste & Carbon Zero**

Green for Better Life

 SK geo centric

3R (Reduce/Replace/Recycle) strategies to

- ✓ Recycle all plastics produced by SK Geo Centric by 2027
- ✓ Achieve **Net Zero** by 2050