

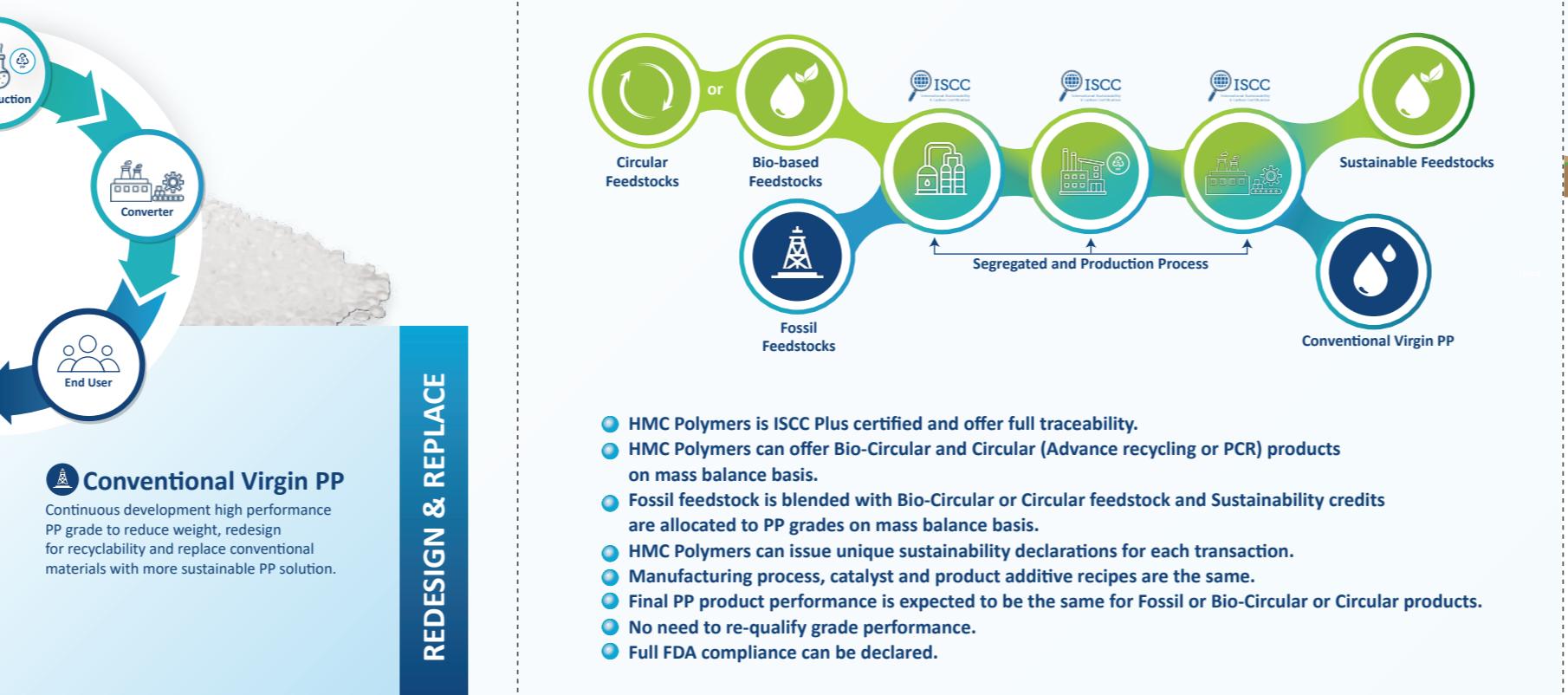
# Sustainable PP Products

## Preferred Partner for Sustainable PP Solutions



## HMC Polymers Sustainable PP Products

HMC Polymers proudly offers a diverse range of high-quality sustainable polypropylene (PP) to ensure our customers achieve the best solutions contributing to a greener future.



## Sustainable Circular & Bio-Circular PP Solutions from HMC Polymers

- HMC Polymers uses second generation Bio-based feedstock based on waste and residues
- Plants and renewable biomass absorb CO<sub>2</sub> from atmosphere during their life and contribute to carbon footprint reduction
- Cradle to gate LCA analysis based on renewable feedstock shows potential for carbon footprint reduction compared to fossil counterparts
- All grades manufactured by HMC Polymers are offered by mass balance with unique sustainability declaration

## Advance Recycling for Circular PP -PCR

- Post consumer plastic waste converted back to oil by Pyrolysis process
- HMC Polymers can offer Bio-Circular and Circular (Advance recycling or PCR) products on mass balance basis.
- Fossil feedstock is blended with Bio-Circular or Circular feedstock and Sustainability credits are allocated to PP grades on mass balance basis.
- HMC Polymers can issue unique sustainability declarations for each transaction.
- Manufacturing process, catalyst and product additive recipes are the same.
- Final PP product performance is expected to be the same for Fossil or Bio-Circular or Circular products.
- No need to re-qualify grade performance.
- Full FDA compliance can be declared.

## Bio-Circular feedstock to reduce CO<sub>2</sub> emissions

HMC Polymers is certified to the Global Recycled Standard (GRS) with certified recycled material from the source of final products. Certified number is G70024.

