

Utilization of Chemical Recycled PBT Resin for Connectors

Joint development of recycled PBT grade for reducing CO2 with TORAY
Connector product performance and compatibility confirmed.

Background or Challenges

- Applies recycled resins to automotive functional parts towards reducing CO2 for carbon neutrality and creating a sustainable society.
- Procurement of high-quality recycled PBT for functional parts has been a challenge, but the chemical recycling technology provides quality stability.

Solutions to Challenges

- 1 Reduction in CO2: About 18% less CO2 in material productions than conventional PBT resins.
- 2 Same characteristics and productivity as conventional materials: Jointly developed with TORAY, connectors can be produced and used in the same way as conventional parts.
- 3 ISO14021: Third-party certification on recycled material content

