

Utilization of Chemical Recycled PBT Resin for Connectors

Developed

Scheduled to be installed in 2025

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

Background or assignment

- 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

Main performance, specifications and structure

