



High-PCR-Content Mechanically Recycled Polyethylene

NOVAORBIS™-MR

Stage

R&D

Introduction consideration

Practical stage

Keyword

Mechanical
Recycling

Use

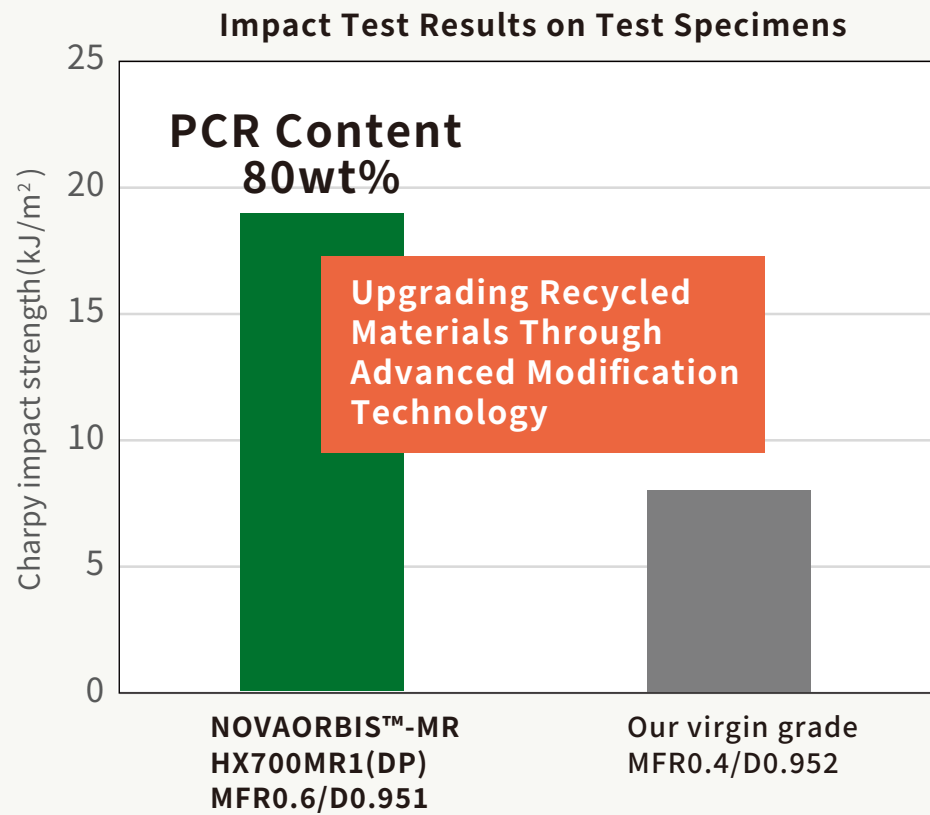
Blow-molded containers / Sheets /
Automotive parts / Films / Injection-molded products

Challenge

- Implementation of resource-circulation regulations has started, including Act on Promotion of Resource Circulation for Plastics, ELV Regulation, and PPWR.
- Product quality tends to vary when recycled materials are used.
- Difficulty securing consistent-quality recycled materials.

Solution

- Improved impact strength through the combination of proprietary PCR sourcing and JPE's modification technology.
- Significantly enhanced material design flexibility for PCR-containing materials.



■ PCR content can be adjusted as needed.

■ Enables applications that are difficult to achieve with conventional PCR-containing materials.

■ Stable supply and quality through the use of JPE virgin material.

Benefit

- Reduced risk of product quality issues associated with the use of recycled materials.
- Material formulations can be tailored to customer requirements.

Contact



Japan Polyethylene Corporation

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