



PE Modifier for Blow-Molded Containers Accelerating the Circular Economy

Stage	R&D	Introduction consideration	Practical stage
Keyword	Mechanical Recycling		

Use	Blow-Molded Containers
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Challenge	●The ESCR and impact strength of the recycled material are low ●Physical properties can be improved by adding modifiers, but a large amount must be added.
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Solution

Providing a modifier for blow-molded containers that achieves excellent modification effects at low loading levels.

- Suitable for use in single-layer blow-molded containers.
- Suitable for use as a layer in multi-layer blow-molded containers.

Modification Image

Use of the Recycled PE and Modifier

Benefit

- Reduced consumption of modifiers
- Enables designs with higher recycled PE content
- Contributes to bottle-to-bottle recycling for PE bottles