

Polypropylene for Foamed Containers

Stage

R&D

Introduction consideration

Practical stage

Keyword

Lightweighting

Monomaterial

CO₂ emission reduction

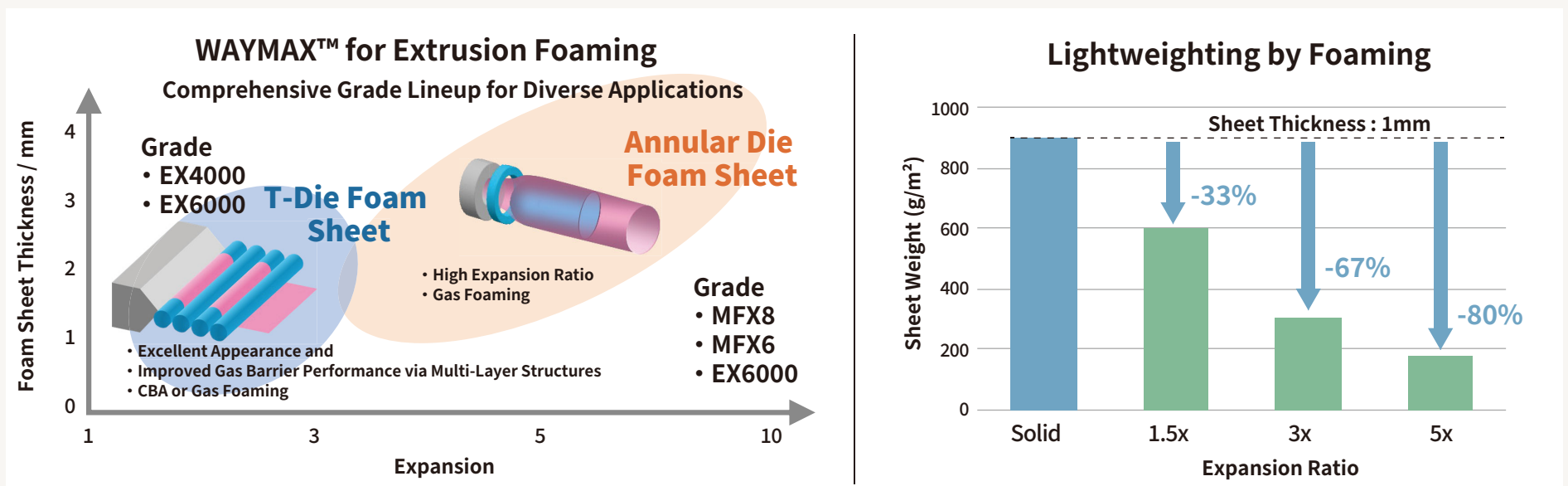
Use

Microwaveable food containers

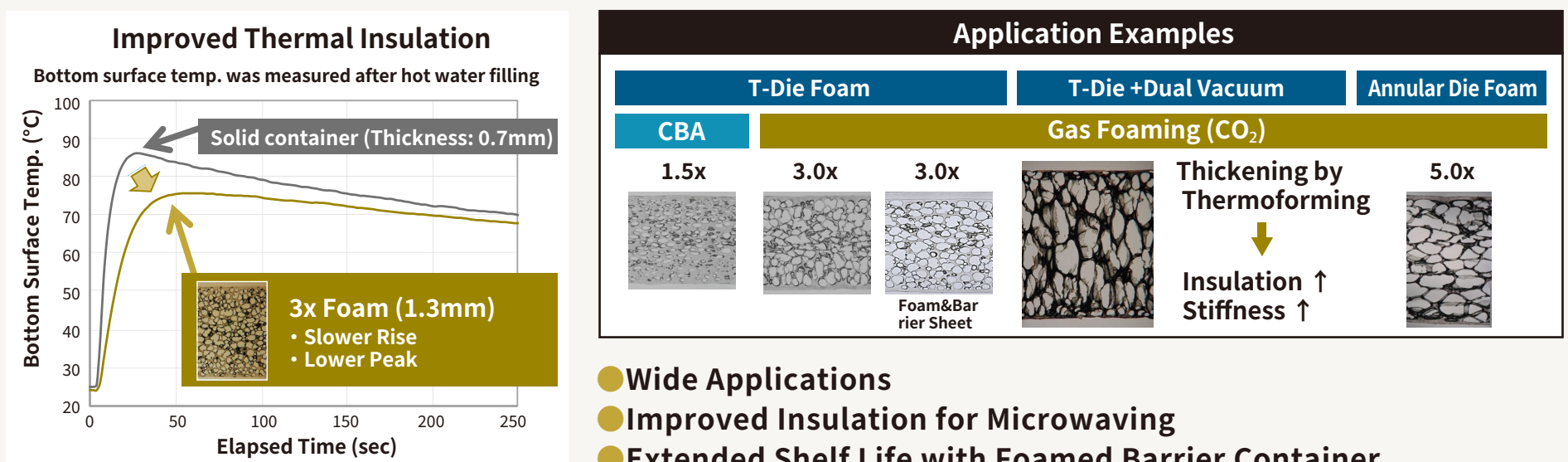
Challenge

- The container becomes too hot to hold after microwaving (insufficient thermal insulation).
- Growing demand for food waste reduction and lightweighting.
- Challenges in PP Foam Extrusion for PS replacement.
- Quality improvement of PP foamed containers.

Solution



Benefit



- Wide Applications
- Improved Insulation for Microwaving
- Extended Shelf Life with Foamed Barrier Container

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