

Polypropylene for Mono-material Retort Packaging

Stage

R&D

Introduction consideration

Practical stage

Keyword

Monomaterial

Use

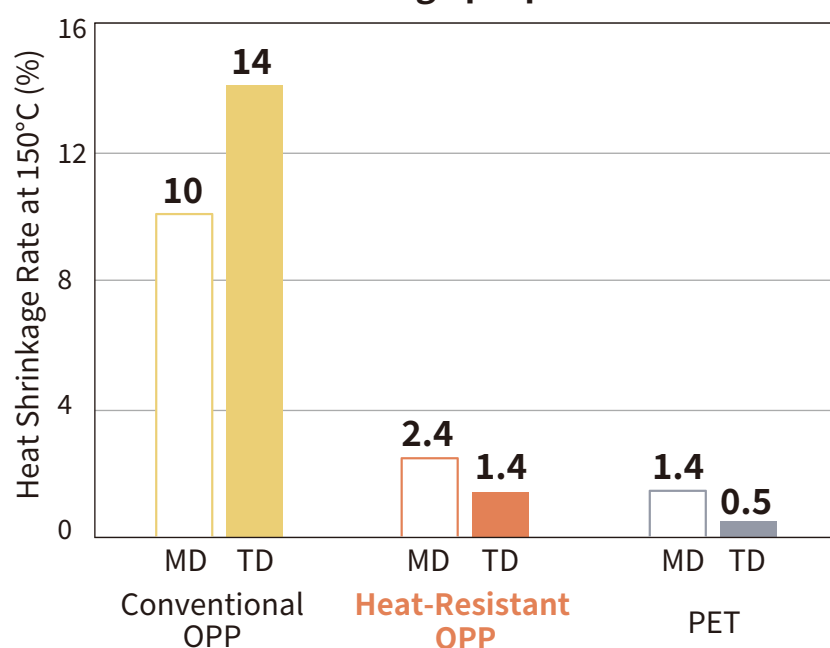
Food packaging / Retort packaging / PET Alternatives

Challenge

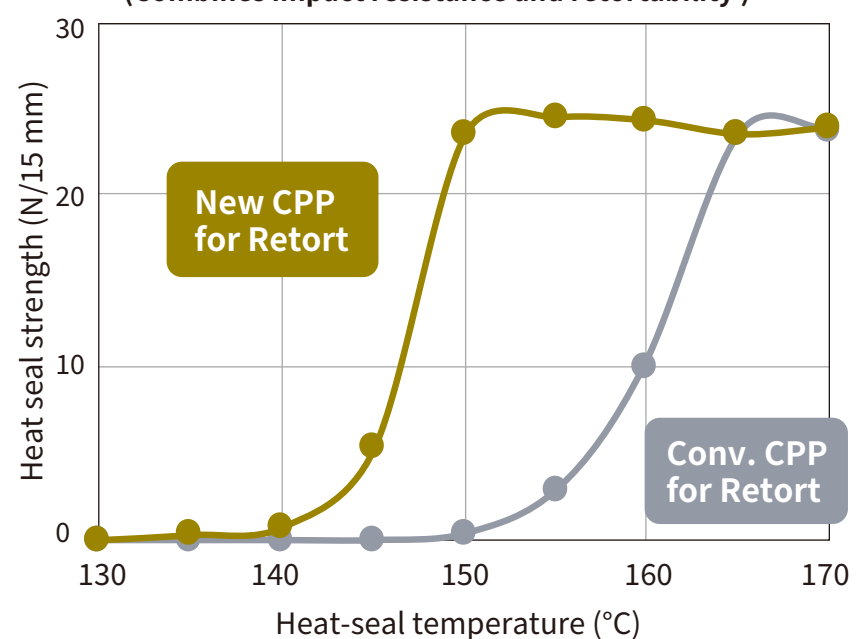
- As regulatory requirements such as PPWR become more stringent, composite packaging materials (e.g., PET/PP structures) face challenges in recyclability.
- Conventional OPP films have insufficient heat-shrink resistance, making it difficult to replace PET.
- Conventional CPP films for retort applications have insufficient low-temperature sealability, resulting in challenges in pouch-making performance.

Solution

PET Substitute—New PP for OPP
Improved heat resistance and shrinkage properties

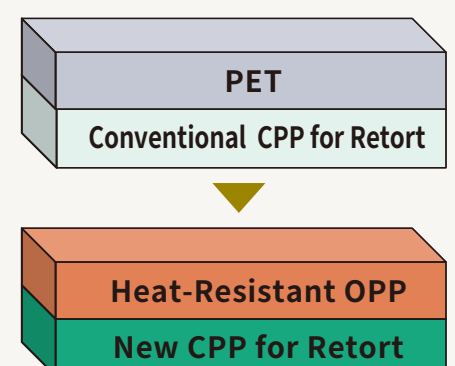


For Mono-material Packaging Materials
—New PP for CPP
Provides low-temperature sealability
(Combines impact resistance and retortability)



Benefit

- Enables PP mono-material packaging through newly developed OPP and CPP grades.
- Suitable for retort applications, expanding opportunities across a wide range of packaging uses.
- Improves pouch-making performance through CPP with excellent low-temperature sealability.



Contact |  Japan Polypropylene Corporation

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