

Redesign for recyclable with Mono-material packaging

Redesign—enhancing circularity with Mono-material packaging

Retort pouch



Main properties

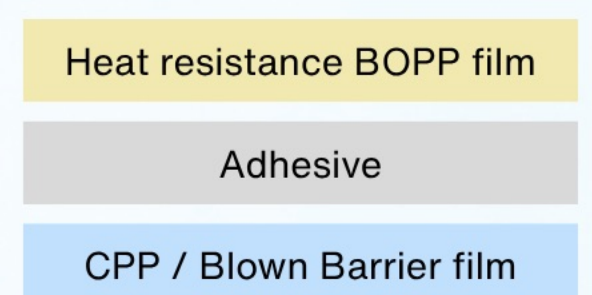
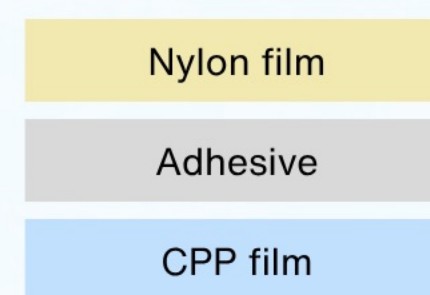
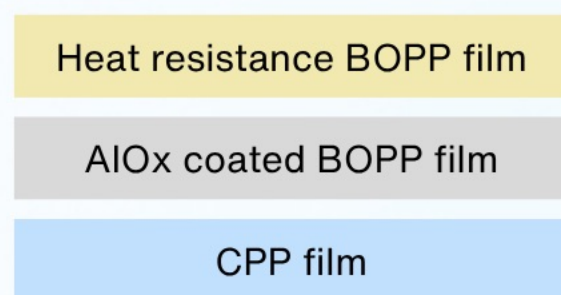
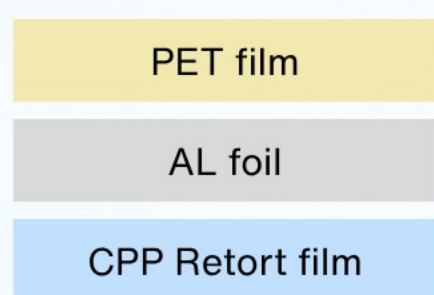
- Sterilization for 1h @128 C
- High seal strength after retorting, $\geq 23.5\text{N}/15\text{mm}$
- $\text{O}_2\text{TR} < 1\text{c}$ ($\text{m}^2 \times 24 \text{ hr}$)
- $\text{WVTR} < 2 \text{ g/m}$ $2 \times 24 \text{ h}$

Frozen to Microwave food



Main properties

- Good drop impact resistance
- Good high temperature resistance during microwave applications

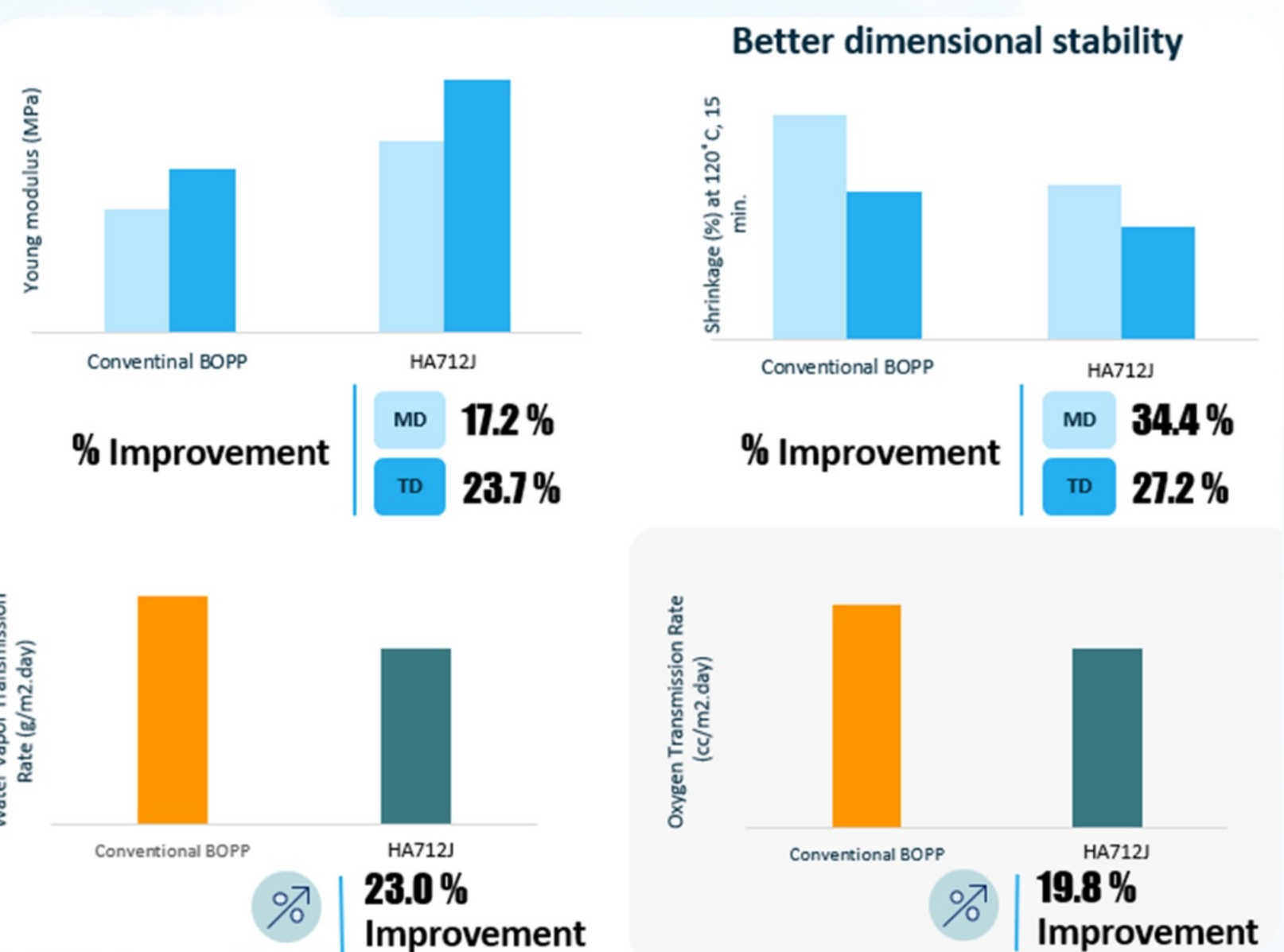
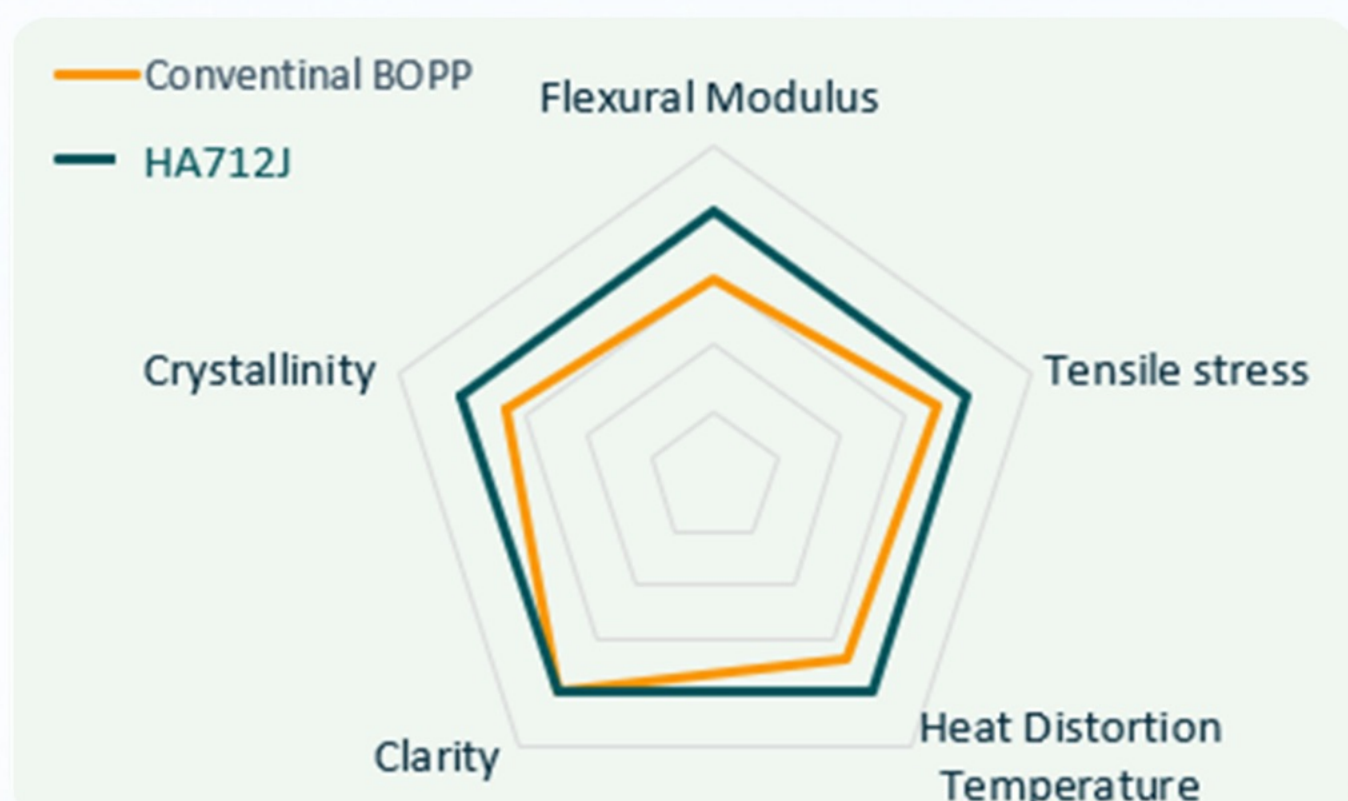


HMC Polymer solutions for Mono-material laminates

Applications	Existing Structure	Mono-Material	HMC Polymers Solution	Key Properties
BOPP 	PET / PA Film Adhesive PE Film	BOPP Film Adhesive CPP Film / BOPP Film	<i>Adstif HA712J</i>	<ul style="list-style-type: none"> • High Stiffness • High Barrier • High Temperature Resistance
CPP 	PET / PA Film Adhesive Metallized PET Film Adhesive PE Film	BOPP Film Adhesive Metallized CPP Film	<i>Adsyl 6093</i> <i>Adsyl 6064</i> <i>Adsyl 6155</i> NEW <i>Adsyl 6146</i> NEW	<ul style="list-style-type: none"> • Low SIT • Good Sealing Performance
Metallized BOPP 	PET Film Metallized PET Film CPP Film	BOPP Film High Barrier Metallized BOPP Film CPP Film	<i>Clyrell RC6142</i> <i>Adstif HA712J</i>	<ul style="list-style-type: none"> • High Moisture and Oxygen Barrier

Key features of Adstif HA712J

- High stiffness
- High temperature resistance
- High barrier



Flexible packaging : New Adsy/ launch - moving with the low SIT trend in BOPP/CPP

Adsy/ 6064
Barefoot sealing resin with SIT 106 - 107 deg BOPP/CPP

Adsy/ 6093
Antiblock addivated sealing resin with SIT 106-107 deg for BOPP / CPP film

Adsy/ 6155 **NEW**
Barefoot sealing resin with SIT 103 - 105 deg for BOPP / CPP

Adsy/ 6146 **NEW**
Barefoot sealing resin with SIT 95 - 96 deg for BOPP / CPP suitable for high speed packaging lines

