

SABIC BLOWN FILM SOLUTION FOR FOOD AND BEVERAGE PACKAGING



CHALLENGES IN THE INDUSTRY

- Poor sealing performance that lead to the packaging leakage
- Good processability needed to increase productivity
- Stronger packaging needed as film becomes thinner, while behavior of handling and transportation is unchanged
- Whole PE solution for easy recycling

SABIC SOLUTION

- Provide superior sealing performance with lower sealing initiation temperature, higher hot tack strength that can provide seal through contamination and faster packaging speed
- Balance mechanical properties
- Very easy to process, provide higher through output
- Attractive film optical performance

PRODUCT OFFERING

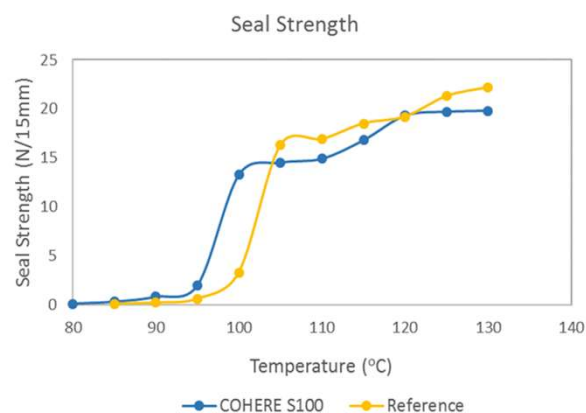
TYPE	GRADE	Melt Index (g/10min)	Density (g/cm ³)	FEATURES
Polyolefin Plastomer	SABIC® COHERE™ S100(L)	1.0	0.900	Excellent flexi-crack and dart impact resistance, enhanced heat sealing
C8 mLLDPE	SABIC® SUPEER™ 8112(L) SABIC® SUPEER™ 8115(L)	1.0 1.0	0.912 0.915	Improve processability, excellent mechanical properties and optical
LDPE	SABIC® LDPE HP0823NN	0.80	0.923	Bubble stability and easy processing
C4 LLDPE	SABIC® LLDPE 118NJ / WJ SABIC® LLDPE 218NJ / WJ	1.0 2.0	0.918 0.918	Good mechanical strength and processability
HDPE	SABIC® HDPE F04660	0.7	0.961	High stiffness, provide water vapor barrier properties

SABIC BLOWN FILM SOLUTION PERFORMANCE FOR LAMINATION PACKAGING

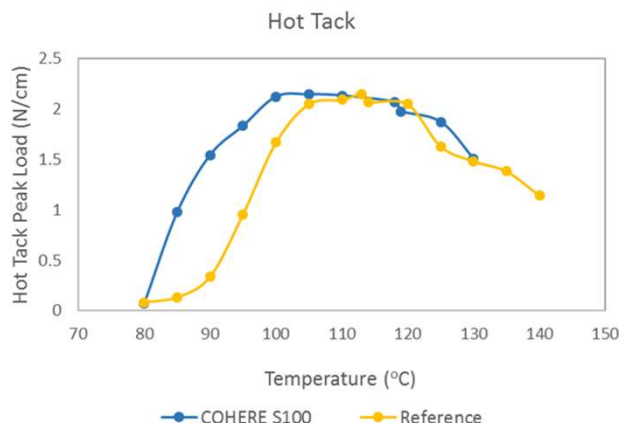
TYPICAL FORMULATION FOR 3 LAYERS BLOWN FILM

Skin	SABIC® SUPEERT™ 8115L + LLDPE 118WJ/218WJ + LDPE HP0823NN	30%
Core	SABIC® LLDPE 118WJ + LDPE HP0823NN	40%
Sealing	SABIC® SUPEERT™ 8115L + COHERE S100L	30%

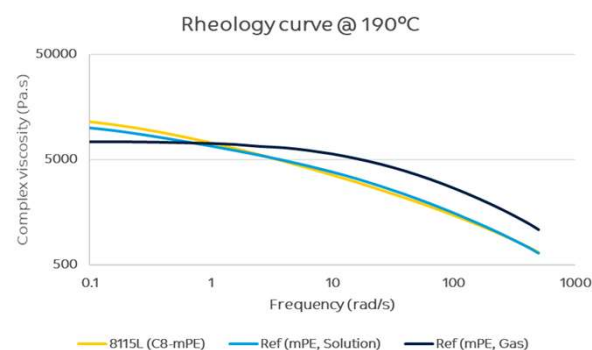
SEAL STRENGTH PERFORMANCE



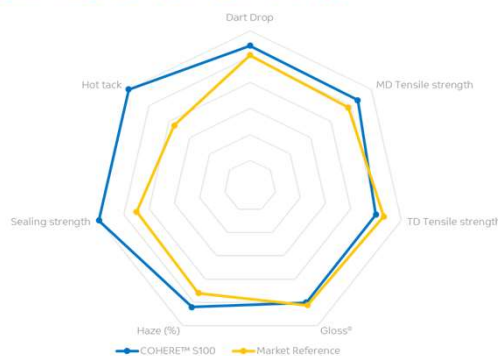
HOT TACK CURVE



PROCESSABILITY



MECHANICAL PERFORMANCE



Film thickness is 85µ with layer ratio 3:4:3.

Sealing test: sample width 15mm, seal pressure 0.3MPa, seal time 1 s, 12µm PET film was placed between seal bar and PE samples during sealing, seal strength tested at speed 200mm/min

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