

SABIC FILM SOLUTION FOR EDIBLE OIL PACKAGING APPLICATION

As populations grow, the need for cooking oil is ever-more needed. This means that the need for packaging for cooking oil is also growing, especially in emerging countries. High mechanical strength, transparency, and seal through contamination become key important requirements, due to the challenges in handling and logistic. Changing the trend from rigid to flexible packaging in this region made the retail price more economical.



SABIC SOLUTION

SABIC has developed a new polyolefin elastomer product as complement to existing LLDPE, LDPE, HDPE, C8-mLLDPE to create SABIC formulation with high performance:

- SABIC® COHERE™ S100(L)
- SABIC® SUPEER™ 8115(L)
- SABIC® LLDPE RESIN 118WJ/NJ
- SABIC® LDPE RESIN HP0823NN
- SABIC® HDPE RESIN F04660

VALUE PROPOSITION



PRODUCT SAFETY

Improve sealing performance up to 60% compared with incumbent material.



PRODUCTIVITY

Potential to reduce the sealing initiation temperature and faster line packing speed.



PROCESSABILITY

Provides good slip for easier processing on filling machines.



MECHANICAL

Better dart impact strength and elongation

PACKAGING TYPE



Sachet



Pillow



Stand Up Pouch

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GUIDANCE FORMULATION

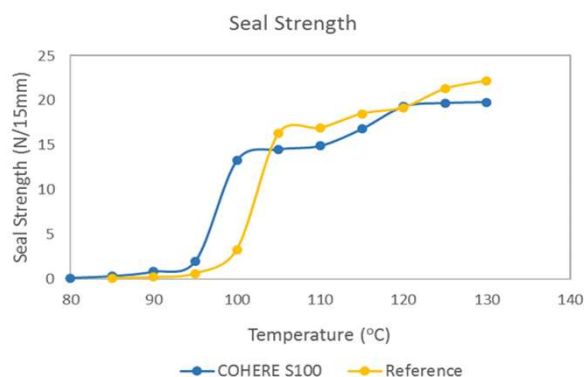
PILLOW BAG

Sealing layer	SABIC® COHERETM S100L + 5 SABIC® SUPEERTM 8115L	30%
Core layer	SUPEERTM 8115L + SABIC® LLDPE 218WJ	40%
Skin layer	SABIC® LDPE HP2023NN + LLDPE 218WJ	30%

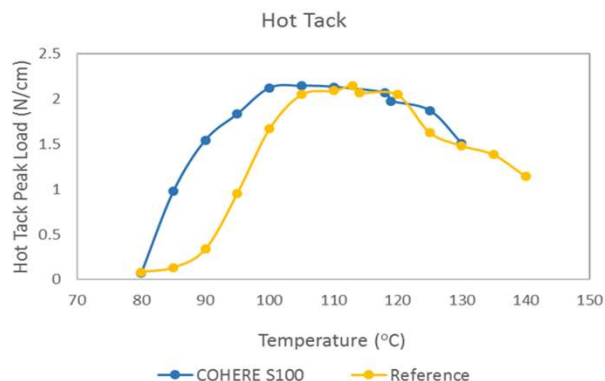
STAND UP POUCH

Sealing layer	SUPEERTM 8115L + SABIC® LDPE HP0823JN + COHERETM S100L	30%
Core layer	SUPEERTM 8115L + SABIC® HDPE F01552/ F00851	40%
Skin layer	SUPEERTM 8115L + SABIC® LDPE HP0823JN	30%

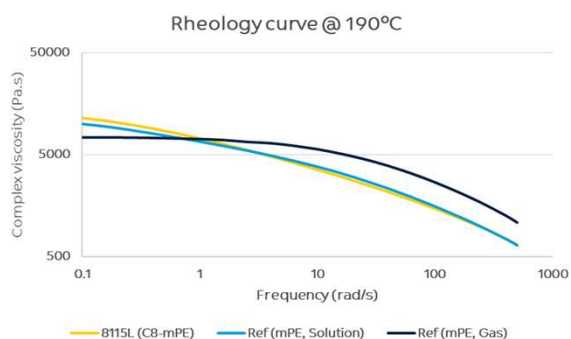
SEAL STRENGTH PERFORMANCE



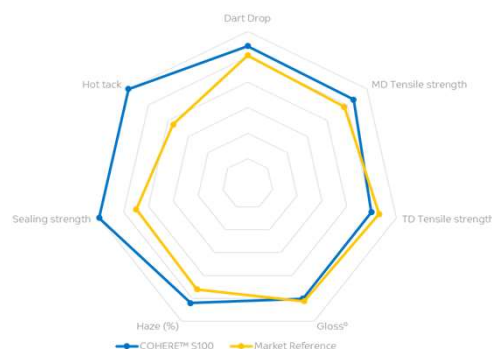
HOT TACK CURVE



PROCESSABILITY



MECHANICAL PERFORMANCE



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