

STRETCH HOOD

DESIGN FOR RECYCLABILITY & REDUCING WASTE

SABIC

SABIC® PE, SUPEER™ (mLLDPE) AND COHERE™ (POP)

INDUSTRY CHALLENGE

Improving properties of stretch hood packaging film by replacing traditional EVA (Ethylene-Vinyl Acetate elastomeric polymer) based structures. Enabling full recyclability while maintaining competitive pricing related to final application.

SABIC SOLUTION

SABIC material solutions for stretch hood film potentially offers replacement of the traditional EVA core with a blend of COHERE™ (POP) and SUPEER™ (mLLDPE) grades. The COHERE™ is a PE elastomer offers stretch-ability, while SUPEER™ metallocene grades offers stiffness for high holding force. By changing the ratio of both grades in the core of the film structure, the right balance between stretch-ability and holding force can be created. At SABIC's compounding plant in Genk, Belgium, we are using stretch hood films including 30% PCR that is based on rich LLDPE content to provide sufficient stretch-ability. SABIC internal calculations showed that the carbon foot print can be reduced by about 20% by including 30% PCR content in the overall structure. Next to that, SUPEER™ grade is available as certified renewable grades from SABIC's TRUCIRCLE™ portfolio that is made with second-generation bio-based feedstock, supporting to reduce CO2 emissions.



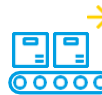
DESIGN FOR
RECYCLABILITY



STRONG MECHANICAL
PERFORMANCE



CERTIFIED RENEWABLE
GRADE AVAILABILITY



EASE OF
PROCESSABILITY



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