

MECHANICAL RECYCLING SOLUTION FOR HEAVY DUTY BAGS

DESIGN FOR RECYCLING, BAG 2 BAG SOLUTION

SABIC® PE POLYMERS

INDUSTRY CHALLENGE

Today there is a strong drive to add post consumer recycled material into non-food packaging such as heavy duty bag film. Reducing the use of traditional fossil-based resources by incorporating PCR plastics without compromising the mechanical performance and recyclability.

SABIC SOLUTION

Annually more than one million plastic bags are made with 50% recycled material to package SABIC's polymers, thanks to a 'closed-loop' collaboration between SABIC, converter Fardem Packaging - subsidiary of Oerlemans Packaging and recycling company Morssinkhof Rymoplast. This is one of the first examples of this type in the industry involving all parties in the value chain actively taking joint responsibility for a major sustainability initiative and received the Rethink Awards in 2019.

Used bags are recycled and converted into high quality packaging, to be used for non-food applications. Compared to 100% fossil based structures, the BAG 2 BAG solution including 50% PCR offers a carbon footprint reduction of 35%, compare to fossil route. The closed loop system also contributes to waste reduction since used bags are fully recycled and reused.



50% RECYCLED CONTENT



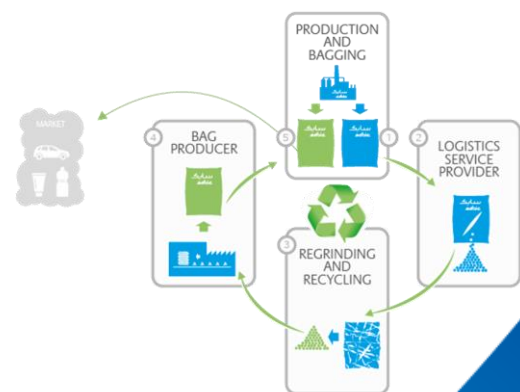
STRONG MECHANICAL PERFORMANCE



COLLABORATION WITH VALUE CHAIN



EASE OF PROCESSABILITY



[CLICK HERE](#) FOR MORE INFORMATION

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