

MECHANICAL RECYCLING SOLUTION BAG-2-BAG FOR HEAVY DUTY BAGS

Annually more than one million plastic bags are made with 50% recycled material to package SABIC's polymer resins, thanks to a new 'closed-loop' collaboration between SABIC, converter Fardem Packaging - subsidiary of Oerlemans Packaging and recycling company Morssinkhof Rymoplast. This is one of the first examples in the industry involving all parties in the value chain actively taking joint responsibility for a major sustainability initiative. The project is recently received 2019 Rethink Award. It is given annually to plastic and rubber products that best meet the sustainability requirements in the Netherlands. The jury recognized a number of important trends in the submissions, aimed at improving the social value of products and solving problems focused on the use of recycled or bio-based raw materials, the redesign of products so that they are more recyclable and value chain cooperation. The Bag-2-Bag project was also a finalist in the Plastics category at the Circular Awards in the Netherlands.

Currently many FFS (Form-Fill-Seal) bags are slitted shortly after filling. As this is a very clean and controlled process, it creates a perfect PE- base material to re-use for FFS bags. In this project, down cycling is avoided, and a higher quality use of a waste stream is generated, with a second life given in the same application. The slitted bags are being collected at a logistic service provider and cleaned in order to get a clean PE-granulate after regrinding. Recycled granulates are used as middle layer in a multi-layer foil (almost 50% of the total thickness). Virgin material is only used for the outer layers that is needed to maintain color and sealing consistency. The Bag-2-Bag foil is currently used for packaging of SABIC's materials that can only be used for non-food packaging and automotive compound applications.



50% RECYCLED CONTENT

- OVER 1 MILLION SABIC® POLYMERS PACKAGING BAGS MADE WITH 50% RECYCLED MATERIAL



STRONG MECHANICAL PERFORMANCE

- EXCELLENT MECHANICAL PROPERTIES ENGINEERED TO REDUCE DAMAGE DURING HANDLING, STORAGE AND TRANSPORTATION



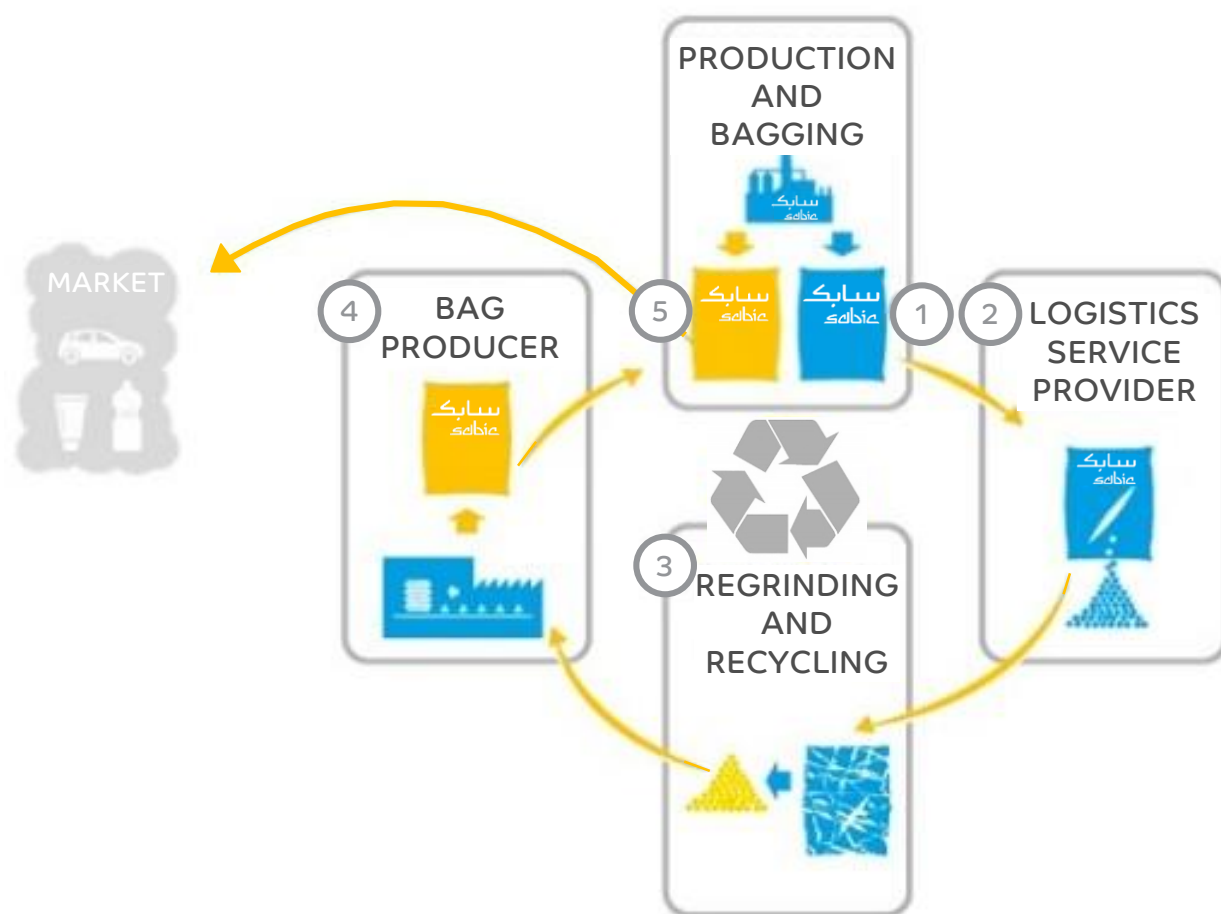
COLLABORATION WITH VALUE-CHAIN

- CLOSE CORPORATION WITH OERLEMANS PACKAGING, VALUE CHAIN PARTNERS MORSSINKHOF RYMOPLAST AND FARDEM PACKAGING
- PLASTIC WASTE IS DIRECTLY CONVERTED INTO HIGH-QUALITY PACKAGING AND THEREFORE IT'S GIVEN A SECOND LIFE IN THE SAME APPLICATION

2019 RETHINK AWARD



BAG-2-BAG FOR HEAVY DUTY BAGS



CONTACT DETAILS

Global Headquarters

SABIC
PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (011) 225 8000
F +966 (011) 225 9000
E info@sabic.com

Europe Headoffice

SABIC
PO Box 5151
6130 PD Sittard
The Netherlands
T +32 (46) 722 2222
F +32 (46) 722 0000
E TSC.MDTS@SABIC.com

DISCLAIMER: Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NON-INFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right. SABIC and brands marked with ™ are trademarks of SABIC or its subsidiaries or affiliates, unless otherwise noted.

© 2019 Saudi Basic Industries Corporation (SABIC). All Rights Reserved.

Any brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.