



Dow[®]

Surlyn™ REN
ionomers by 

Creating sustainable cosmetic packaging, with SURLYN™ REN bio-based ionomers



Today in the beauty industry, manufacturers, brands and retailers, as well as consumers, are all looking to reduce their environmental impact and help to tackle climate change. This is driving growing demand for ways to make cosmetics packaging more sustainable, without compromising its beauty or performance.

That's why we've developed SURLYN™ REN, an innovative, bio-based ionomer.

SURLYN™ REN ionomers enable a lower carbon footprint over the full life cycle than SURLYN™ produced using traditional methods. However, they offer the same, famed benefits of all our SURLYN™ range of ionomers, including a unique, crystalline transparency, and superior scratch and chemical resistance.

SURLYN™ is especially highly prized in the beauty industry, because of the creative freedom it offers: it can be molded into shapes that would be impossible using other materials – enabling designers to produce more aesthetically pleasing packaging, with greater shelf appeal.

Sustainably sourced bio-feedstocks

SURLYN™ REN ionomers are produced using bio-based, renewable raw materials, such as used cooking oil, instead of materials derived from fossil fuels. These bio-based ionomers:

- Enable a lower carbon footprint over the full life cycle than fossil-based alternatives
- Conserve valuable resources
- Use other industries' bio residues as raw materials.
- Deliver the same performance in the final application – which is vital for reassuring customers
- Meet the safety standards for equivalent, traditional products

The material's production process is certified on a mass balance basis by the International Sustainability Carbon Certification (ISCC Plus).

Sustainable beauty

Combining sustainability, with high-quality performance and finish, for maximum design flexibility, SURLYN™ REN support a lower cosmetic packaging carbon footprint over the full life cycle, while helping it to stand out from the competition. Its key qualities include:

- Unique neutral transparency, even with thick walls, glossiness, and soft feel
- Moldability, even into complicated shapes, for an elegant and distinctive look
- Excellent chemical and scratch resistance

Let's work together to make beautiful cosmetics packaging sustainable.

Images: dow_55936955581

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

© 2023 The Dow Chemical Company. All rights reserved.

2000026980-6170

Form No. 777-178-01-0923 S2D