



**Surlyn<sup>®</sup>**  
Only by DuPont

**Surlyn<sup>®</sup> AS 1-E**

## Description

Surlyn<sup>®</sup> AS 1-E is a packaging resin designed for use in non-fusion pallet hood applications. It can be used in conventional blown film extrusion and co-extrusion equipment.

For non-fusion applications Surlyn<sup>®</sup> AS 1-E is typically co-extruded with LDPE in the following type of structure:

LDPE (MFI= 0.3 to 0.8 g/10min) :	83 to 92 %
Surlyn <sup>®</sup> AS 1-E :	17 to 8 %

Surlyn<sup>®</sup> AS 1-E contains already additives facilitating the opening of the hood prior to its use. However, in specific cases a further addition of Conpol<sup>™</sup> 20 B antiblock additive may be needed in order to obtain the required performance.

To improve adhesion of the Surlyn<sup>®</sup> AS 1-E layer, a 3 - layer structure, with a middle layer consisting of a PE – copolymer containing 5 to 10% VA is recommended.

The technical data contained herein are guides to the use of DuPont resins. The advice contained is based upon tests and information believed to be reliable, but users should not rely on it absolutely for specific applications since performance properties will vary with processing conditions. It is given and accepted at user's risk and confirmation of its validity and suitability in particular cases should be obtained independently. The DuPont company makes no guarantees of results and assumes no obligation or liability in connection with this advice. This publication is not to be taken as a license to operate under, or recommendation to infringe, any patents.

## Typical Properties of Surlyn<sup>®</sup> AS 1-E

Melt Flow Index: 2.4 g / 10 min (ASTM D-1238: 2.16kg / 190 °C)

Melting Point: 95 °C (ASTM D-3418)

Vicat Softening Point: 64 °C (ASTM D-1525)

Ion Type: Sodium (Na)

## Processing Information

Surlyn<sup>®</sup> AS 1-E is normally processed at melt temperatures ranging from 180 °C to 215 °C in blown film equipment.

Materials of construction used in the processing of this resin should be corrosion resistant. Stainless steel and / or duplex chrome or nickel plating are recommended for dies and adapters.

## Safety Information

Surlyn<sup>®</sup> AS 1-E is not considered hazardous material. As with any hot material, care should be taken to protect the hands and other exposed parts of the body when handling molten polymer.

Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls.

For more detailed information on the safe handling and disposal of DuPont resins, a Product Safety Bulletin and Material Safety Datasheet can be obtained from your local DuPont sales office.

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