

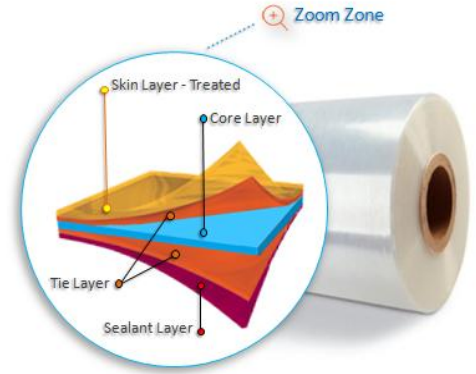
# SUM BARRIER FILM-EVOH

## Description:

- Multilayer high barrier polyethylene film(White or Transparent)
- One side corona treated
- One side heat sealable
- Especially designed for high barrier property

## Properties:

- Excellent barrier properties
- High clarity and gloss
- Excellent glue adhesion
- Excellent seal strength and hot tack
- Excellent machinability
- Suitable for vacuum packaging
- Top lid or bottom lid applications



PROPERTY	TEST METHOD	UNIT	NOMINAL VALUE				
Film Thickness	ASTM D 374	Micron	30-49 ±3	30-49 ±3	50-70 ±5	71-99 ±7	100-150 ±10
EVOH Thickness*	SÜMER METHOD	Micron	3 ±0.5	5 ±1	5 ±1	10 ±3	10 ±3
O.T.R	ASTM D 3985	ml / m <sup>2</sup> / day	≤ 3,0	≤ 2,0	≤ 1,5	≤ 0,6	≤ 0,7
W.V.T.R	ASTM F 1249	g / m <sup>2</sup> / day	≤ 10,5	≤ 10,5	≤ 5,5	≤ 3,5	≤ 3,0
Sealing Temperature**	SÜMER METHOD	°C	NT/NT	115 ±5	115 ±5	120 ±5	125 ±5
C.O.F	ASTM D 1894	Film (NT) // Film (NT)	≤ 0.30				
Surface Tension	ASTM D 2578	Dyn/cm	≥36				

\*EVOH Thickness Test Conditions: Microscope analysis at Sümer Plastic Laboratory conditions.

\*\* Sealing Temperature Test Conditions: 0,3 seconds and 100 N pressure at Sümer Plastic Laboratory conditions.

The values supplied above is true and accurate according to our laboratory conditions and test methods. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or use any product in conflict with existing, pending or future patents.

MD: Machine Direction, TD: Transverse Direction, NT: Non-Treatment Surface

**Packaging Type** : Stretch film wrapped reels on pallet.

**Lamination Conditions** : SUM BARRIER FILM-EVOH film is suitable for solvent based and solvent free laminations. The lamination process conditions, curing conditions declared by the glue producers should be strictly considered.

**Storage** : SUM BARRIER FILM-EVOH films should be stored between 5-30 °C, at 50 % RH and should be protected from direct heat sources and sun light. The insufficient storage conditions may change the physical and chemical properties of the film. The films should be taken into process area at least 48 hours before usage.

**Shell Life** : 3 months after production date.

## Statement on Compliance to Food Contact Regulations

The product complies with Commission Regulation (EU) No. 10/2011 of January 14, 2011; on plastic materials and articles intended to come into contact with food; effectively replacing EC Commission Directive 2002/72/EC of August 6, 2002, as amended.

## Statement on Compliance to The EU Directive 94/62 EC on Packaging and Packaging Waste

The product meets the requirements of European Union Directive 94/62/EC on packaging and packaging waste, Article 11 (20 December 1994) and its subsequent amendments 2004/12 EC, 2005/20/EC about total incidental cadmium, chromium, lead and mercury level to be less than 100 ppm.

The statements on the EU directives and regulations are based on the information from our suppliers.

The information contained herein is based on tests Sümer Plastik believes to be reliable, but the accuracy or completeness is not guaranteed. Above information should be considered as guidelines and not as product specifications. Users are advised to make their own tests at their specific conditions of actual use or laboratory.

The user must observe industrial property rights, such as patents or trademarks.

## For further information please contact our Sales Department

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