

## **HOSTAPHAN®**

Preliminary data sheet

## Hostaphan® BIN EHB

### Black polyester film for monolayer backsheets

Hostaphan® BIN EHB is a black film. Both sides are chemically treated for good adhesion, especially for good adhesion to EVA in the module lamination process, but also to other substances such as adhesives to fix a junction box.

Hostaphan® BIN EHB has the outstanding mechanical and electrical properties and general performance of bi-axially stretched polyester films.

#### **Typical properties**

Property	Thickness	Units	Value		Test Method	Test Conditions	
	μm		MD	TD			
MECHANICAL							
Tensile strength	175	N/mm²	190	220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Elongation at break	175	%	180	120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Young's Modulus	175	N/mm²	4000	4800	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.	
THERMAL							
Shrinkage	175	%	1.1	0.5	DIN 40634	150°C, 15 min.	
OPTICAL							
Transparency	175	%	< 0	).01	ASTM-D 1003-61 method A	-	
Optical density	175	-	>	5	Internal method Similar to JIS K7605	-	
SURFACE							
Gloss	175	-	8	30	DIN 67530	Measuring angle 20°	
PHYSICAL/CHEMICA	\L						
Density	175	g/cm³	1	.4	ASTM-D 1505-68 method C	23°C	
HEAT SEAL/PEEL PA	RAMETERS						
EVA adhesion (Initial value)	175	N/15 mm		50	With Etimex 486 (Internal method)	-	

MD = Machine direction, TD = Transverse direction



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#### **Delivery program Hostaphan® BIN EHB**

Thickness	Yield				
μm	g/m²	m²/kg			
175	245	4.08			

Roll widths and lengths on request. Core diameter: 152.4 mm (6")

The properties shown in this technical data sheet only apply to the film itself. We cannot guarantee the properties of an intermediate or final product made from or using the film. Instead, the intermediate or final product must be subjected to standard industrial testing.

This data sheet reflects our state of knowledge at the time this was prepared. The purpose is to provide an overview of the characteristics of our products and their potential uses. The values given reflect the typical characteristics of the film. They are not specification limits. They are neither a guarantee of specific properties nor the suitability of products in specific applications. The user must observe industrial property rights, such as patents or trademarks. The quality of our products is covered by the terms of the General Conditions of Sale of MITSUBISHI POLYESTER FILM GmbH.