



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 μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	175	N/mm ²	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/mm ²	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	-	80		DIN 67530	Measuring angle 20°
PHYSICAL/CHEMICAL						
Density	175	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C
HEAT SEAL/PEEL PARAMETERS						
EVA adhesion (Initial value)	175	N/15 mm	> 50		With Etimex 486 (Internal method)	-

MD = Machine direction, TD = Transverse direction

