

## electrical insulation material

### Hostaphan® BHO | FI 13013

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**Description:** Hostaphan® BHO | FI 13013 is a boPET film.

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**Properties:** Hostaphan® BHO | FI 13013 offers very low transparency, extremely high optical density and has a constant black appearance.

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**Applications:** Hostaphan® BHO | FI 13013 is applied for the production of polymer sheets, hot-stamp films and laminates with a matt surface.

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**Colour:** black

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**Delivery forms:** Hostaphan® BHO | FI 13013 can be delivered on a roll or as ribbon and as a customized cut and die-cut part. Other delivery forms upon customer request.

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## Hostaphan® BHO | FI 13013

Properties	Test method	thickness	Unit	Value MD	Value TD
Tensile strength	ISO 527-1 and -3	25/50/75	N/mm <sup>2</sup>	210	260
Elongation at break	ISO 527-1 and -3	25/50/75	%	120	80
Young's modulus	ISO 527-1 and -3	25/50/75	N/mm <sup>2</sup>	4500	5100
Stress to obtain 5% elongation	ISO 527-1 and -3	25/50/75	N/mm <sup>2</sup>	110	110
shrinkage	DIN 40634	25/50/75	%	1,4	0,0
Transparency	ASTM D1003-61	25/50/75	%	<0,1	
Haze	ASTM D1003-61	25/50/75	%	100	
Brightness/L*	DIN 5033	25/50/75		30	
Yellowness index	ASTM E313-96/D65	25/50/75		-5	
a*/b*	DIN 5033	25/50/75		-0,1/-1,1	
Optical density		25 50 75		>4,5 >4,8 >5,0	
Coefficient of friction (static)	DIN53375	25/50/75		0,34	
Gloss	DIN 67530	25 50/75		50 72	
Roughness RA	DIN 4768	25/50/75	nm	50	
density	ASTM D 1505-68	25/50/75	g/cm <sup>3</sup>	1,41	

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**Trademark information:** Hostaphan® is a registered trademark of company Mitsubishi Polyester film.

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**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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