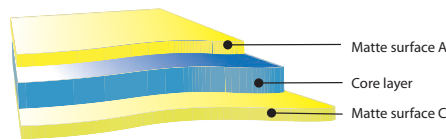


## Hostaphan® SPK

### Super-matte polyester film

Hostaphan® SPK is a biaxially oriented, super-matte film, made of polyethylene terephthalate (PET). It has a regular matte surface on both sides. The matte appearance is combined with high transparency and moderate haze.

### Layer structure of Hostaphan® SPK



### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	19 23 36	N/mm <sup>2</sup>	200 200 190	250 230 240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	19-36	%	120	80	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	19 23 36	%	1.5 1.4 1.4	0.4 0.4 0.2	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	19 23 36	%	79 78 74		ASTM-D 1003-61 method A	-
<b>SURFACE</b>						
Coefficient of friction (static)	19-23 36	-	0.3 0.4		DIN53375 or ASTM-D 1894	-
Gloss	19 23 36	-	21 20 17		DIN 67530	Measuring angle 60°
Roughness Ra value	19-36	nm	400		DIN 4768	Cut off 0.25 mm
<b>PHYSICAL/CHEMICAL</b>						
Density	19-36	g/cm <sup>3</sup>	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction



## Delivery program Hostaphan® SPK

Thickness $\mu\text{m}$	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>	Roll length <i>m</i>	Roll- diameter <i>mm</i>
	$\text{g}/\text{m}^2$	$\text{m}^2/\text{kg}$				
19	27	38	9 200	500	18 400	700
23	32	31	9 600	550	19 200	800
36	50	20	8 000	635	12 000	770

Other roll lengths on request. Core diameter: 152.4 mm (6")

This Hostaphan® film is permitted for food contact according to the current version of EU Regulation 1935/2004 and 10/2011 as well as FDA regulation 21 CFR 177.1630 under the conditions set out in our current Declaration of Compliance. Before using this Hostaphan® film in a food contact article, please request this Declaration of Compliance.

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.