



## Hostaphan® RHSL

### Heat sealable film

Hostaphan® RHSL is a biaxially oriented, coextruded film, made of polyethylene terephthalate (PET), which is characterized by its excellent sealability to metals and other substrates and a high gloss surface.

### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	12-25 30 75	N/mm <sup>2</sup>	250 230 185	230 230 270	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12-25 30 75	%	125 135 200	125 130 120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12-30 75	N/mm <sup>2</sup>	4400 4000	4600 5500	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	12, 15 20 25, 30 75	%	1.6 1.6 1.4 1.0	0.1 0.3 0.1 0.1	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	12-30 75	%	91 90		ASTM-D 1003-61 method A	-
Haze	12-25 30 75	%	2 2.2 3.5		ASTM-D 1003-61 method A	Enlarged measurement angle
<b>SURFACE</b>						
Coefficient of friction (static)	12-75	-			DIN53375 or ASTM-D 1894	-
Standard side/ Standard side			0.4			
Gloss	12-75	-	180		DIN 67530	Measuring angle 20°
<b>PHYSICAL/CHEMICAL</b>						
Density	12-75	g/cm <sup>3</sup>	1.39		ASTM-D 1505-68 method C	23°C
<b>HEAT SEAL-/ PEEL PARAMETERS</b>						
Sealing strength	12-75	N/15 mm	2-3		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel



Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
Minimum sealing temperature	12-75	°C	130		-	-

MD = Machine direction, TD = Transverse direction

### Delivery program Hostaphan® RHSL

Thickness $\mu\text{m}$	Yield		Roll length <i>m</i>	Roll diameter <i>mm</i>
	$\text{g}/\text{m}^2$	$\text{m}^2/\text{kg}$		
12	17	60	On request	On request
15	21	48		
20	28	36		
25	35	29		
30	42	24		
75	104	9.6		

Core diameter: 152.4 mm (6")

### Hostaphan RHSL is also available with various pre-treatments:

- **Hostaphan® RHSL C:** Corona treatment on the non-sealing side.
- **Hostaphan® RHSL 2600, Hostaphan RHSL CT01 or Hostaphan® RHSL 2CSR:** Chemically treated on the non-sealing side for improved adhesion of evaporated metal layers, printing inks or coatings.

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.