

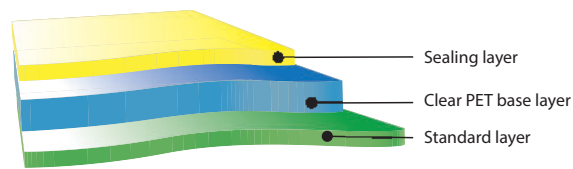


## Hostaphan® RPSM

### Transparent polyester film with higher peel strength

Hostaphan® RPSM is a transparent biaxially oriented film made of polyethylene terephthalate (PET) with an amorphous co-polyester heat seal layer. It is characterised by a peelable seal to polar substrates, e.g. impact modified CPET, CPET-MONO, A/CPET COEX, APET and PVC. Laminates with RPSM can be used in retort processes.

### Layer structure of Hostaphan® RPSM



### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	25	N/mm <sup>2</sup>	205	260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	25	%	150	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	25	N/mm <sup>2</sup>	4000	4800	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
Tear propagation resistance	25	m/N	140		ASTM-D 1922	-
Puncture resistance	25	N	9.2		DIN 14477	-
<b>THERMAL</b>						
Maximum temperature in conventional oven/microwave	25	°C	220		-	30 min.
Min. temperature	25	°C	- 40		-	-
Shrinkage	25	%	1.5	0.1	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Haze	25	%	13		ASTM-D 1003-61 method A	Enlarged measurement angle



Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
PHYSICAL/CHEMICAL						
Density	25	$\text{g}/\text{cm}^3$	1.4		ASTM-D 1505-68 method C	23°C
BARRIER						
Oxygen	25	$\text{cm}^3/\text{m}^2 \times \text{d} \times \text{bar}$	54		DIN 53380	23°C, 50% r.h.
Water vapour	25	$\text{g}/\text{m}^2 \times \text{d}$	7.3		DIN 53122	23°C, 85% r.h.
HEAT SEAL/PEEL PARAMETERS						
Seal temperature range	25	°C	155-200		-	-
Peel strength	25	N/15 mm	3-6*		-	-

MD = Machine direction, TD = Transverse direction

\* Depending on substrate, sealing temperature, pressure and dwell time.

Note: The values indicated are typical data of Hostaphan® RPSM. For specification please contact us.

## Applications:

- Peelable lidding for packaging frozen and chilled foods in dual ovenable trays
- Peelable lidding of fresh produce or fruit in polyester based containers
- Peelable closures for PET bottles
- Peelable lidding for retort processes in special CPET trays

## Delivery program Hostaphan® RPSM

Thickness $\mu\text{m}$	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>
	$\text{g}/\text{m}^2$	$\text{m}^2/\text{kg}$		
25	35	29	On request	On request

Core diameter: 152.4 mm (6") or 76 mm (3")

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.