

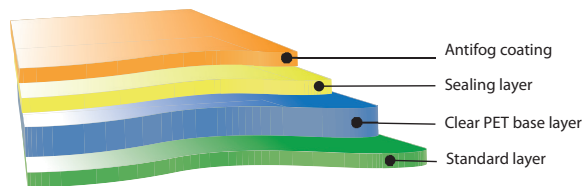


Hostaphan® RPSP AF

The easy peel film with antifog coating

Hostaphan® RPSP AF 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, especially A/CPET COEX and APET and has superior antifog properties. The film offers excellent peel properties in hot and cold conditions. It has self-venting properties on re-heating.

Layer structure of Hostaphan® RPSP AF



Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	19 25	N/mm ²	200 200	270 260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	19 25	%	150 150	100 105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	19, 25	N/mm ²	4000	4800	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
Puncture resistance	19 25	N	8.5 9.2		DIN 14477	-
THERMAL						
Maximum temperature in conventional oven/microwave	19, 25	°C	220		-	30 min.
Min. temperature	19, 25	°C	- 40		-	-
Shrinkage	19, 25	%	1.5	0.1	DIN 40634	150°C, 15 min.
OPTICAL						
Haze	19 25	%	15 13		ASTM-D 1003-61 method A	Enlarged measurement angle
PHYSICAL/CHEMICAL						
Density	19, 25	g/cm ³	1.4		ASTM-D 1505-68 method C	23°C



Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
BARRIER						
Oxygen	19	$\text{cm}^3/\text{m}^2 \times \text{d} \times \text{bar}$	70		DIN 53380	23°C, 50% r.h.
	25		54			
Water vapour	19	$\text{g}/\text{m}^2 \times \text{d}$	10		DIN 53122	23°C, 85% r.h.
	25		7.3			
HEAT SEAL/PEEL PARAMETERS						
Seal temperature range	19, 25	°C	155-200		-	-
Peel strength	25	N/15 mm	3-5*		-	-

MD = Machine direction, TD = Transverse direction

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

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

Applications:

- Peelable lidding of fresh produce or fruit in polyester based containers
- Peelable lidding for packaging frozen and chilled foods in dual ovenable trays

Delivery program Hostaphan® RPSP AF

Thickness μm	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	g/m^2	m^2/kg		
19	27	38	On request	On request
25	35	29		

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.