

## Hostaphan® YNL

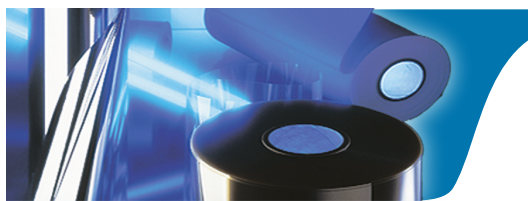
### Amber polyester film for metal lamination

Hostaphan® YNL is an amber coloured biaxially oriented, coextruded film, made of polyethylene terephthalate (PET). This film exhibits a gold look after metallization or metal lamination.

### Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	12	N/mm <sup>2</sup>	220	250	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12	%	110	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12	N/mm <sup>2</sup>	4500	4900	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	12	N/mm <sup>2</sup>	100	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	12	%	1.5	0.1	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Transparency	12	%	82		ASTM-D 1003-61 method A	-
Haze	12	%	2		ASTM-D 1003-61 method A	Enlarged measurement angle
Yellowness Index	12	-	35		ASTM-E 313-96/ D65	In transmission
<b>SURFACE</b>						
Coefficient of friction (static)	12	-	0.4		DIN53375 or ASTM-D 1894	-
<b>PHYSICAL/CHEMICAL</b>						
Density	12	g/cm <sup>3</sup>	1.4		ASTM-D 1505-68 method C	23°C
Water absorption	12	%	0.5		ASTM-D 570	4 days in water at 23°C

MD = Machine direction, TD = Transverse direction



## Delivery program Hostaphan® YNL

Thickness	Yield		Roll length	Roll-diameter	Roll length	Roll-diameter	
	$\mu\text{m}$	$\text{g}/\text{m}^2$					$\text{m}^2/\text{kg}$
	$\mu\text{m}$	$\text{g}/\text{m}^2$	$\text{m}^2/\text{kg}$	$\text{m}$	$\text{mm}$	$\text{m}$	$\text{mm}$
12	17	60	24 000	650	48 000	900	

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.

Edition 04/21

