



Hostaphan® YNK

Amber polyester film

Hostaphan® YNK 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		
MECHANICAL						
Tensile strength	12	N/mm ²	260	260	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 ²	4600	5000	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 ²	100	105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	12	%	1.5	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	12	%	82		ASTM-D 1003-61 method A	-
Haze	12	%	2		ASTM-D 1003-61 method A	Enlarged measurement angle
Whiteness (Berger)	12	-	- 4 ± 5		ASTM-E 308	In reflection
Yellowness Index	12	-	35 ± 5		ASTM-E 313-96/ D65	In transmission
CIE Lab	12	%	91 ± 1		ISO 7724	In reflection
L*			1.95 ± 0.3			
a*			18 ± 2			
b*			18.5 ± 1.5			
h*			84 ± 0.75			
SURFACE						
Coefficient of friction (static)	12	-	0.4		DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	12	g/cm ³	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

