

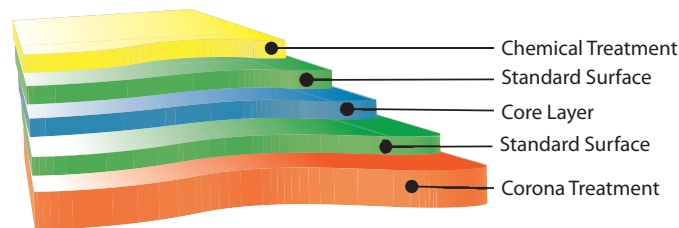


Hostaphan® RNK 260C

Transparent polyester film with corona and chemical treatment

Hostaphan® RNK 260C is a biaxially oriented coextruded film made of polyethylene terephthalate (PET) with high gloss, high transparency and low haze. One film surface is corona treated during the production process to increase the surface tension to > 50 mN/m. This level of surface energy is guaranteed for 6 month after delivery, provided that the film is kept on the roll in its original packaging. The other film surface of Hostaphan® RNK 260C is chemically pre-treated to give excellent print adhesion and lamination bond strength with a wide variety of inks and adhesives, as well as good adhesion of vacuum deposited aluminium barrier layers. Hostaphan® RNK 260C is generally not suitable for laminates, which have to be resistant to pasteurisation or boiling water or suitable for steam sterilisation.

Layer structure of Hostaphan® RNK 260C



Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	12-23	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	12-23	%	120	120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12-23	N/mm ²	4500	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)	12-23	N/mm ²	110	105	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	12-23	%	1.5	0.2	DIN 40634	150°C, 15 min.



Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
OPTICAL						
Transparency	12-23	%	> 90		ASTM-D 1003-61 method A	-
Haze	12-23	%	2.0		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Coefficient of friction (static)	12-23	-	0.4		DIN53375 or ASTM-D 1894	-
Gloss	12-23	-	Approx. 190		DIN 76530	Measuring angle 20°
Roughness Ra value	12-23	nm	50		DIN 4768	Cut off 0.25 mm
Surface tension (Corona treated side)	12-23	mN/m (dyne/cm)	> 50 (6 month after delivery)		DIN 53364	Test inks
PHYSICAL/CHEMICAL						
Density	12-23	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® RNK 260C

Thickness μm	Yield		Roll length <i>m</i>	Roll- diameter <i>mm</i>
	g/m^2	m^2/kg		
12	17	60	On request	On request
15	21	48		
23	32	31		

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.