

HOSTAPHAN®

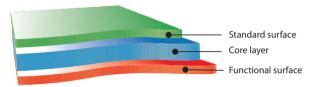
Hostaphan® RDO

Preliminary data sheet

Transparent polyester film with one very smooth surface

Hostaphan[®] RDO is a biaxially oriented, coextruded film made of polyethylene terephthalate (PET) with two different surfaces. The functional surface is extremely smooth with low roughness, while the 2nd surface provides the roughness required for good handling and winding.

Layer structure of Hostaphan® RDO



Typical properties

Property	Thickness	Units	Value		Test Method	Test Conditions		
	μm		MD	TD				
MECHANICAL								
Tensile strength	75	N/mm ²	185	260	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.		
Elongation at break	75	%	210	115	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.		
Young's Modulus	75	N/mm²	4100	5500	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% elon- gation)	75	N/mm²	110	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.		
THERMAL	THERMAL							
Shrinkage	75	%	1.0	0.3	DIN 40634	150°C, 15 min.		
OPTICAL								
Haze	75	%		3	ASTM-D 1003-61 method A	Enlarged measurement angle		



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Property	erty Thickness Units Value		ue	Test Method	Test Conditions	
	μm		MD	TD		
SURFACE						
Coefficient of friction (static)	75	-			DIN53375 or ASTM-D 1894	-
Standard surface/ Standard surface			0.3			
Standard surface/ Functional surface			0.	3		
Functional surface/ Functional surface			blo	cks		
Gloss	75	-	200		DIN 67530	Measuring angle 20°
Mean Roughness Standard surface Functional surface	75	nm	30 15		DIN 4768	Cut off 0.25 mm
PHYSICAL/CHEMICAL						
Density	75	g/cm³	1.	4	ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program Hostaphan® RDO

Thickness	Yield		Yield Roll length	
				diameter
μm	g/m²	m²/kg	т	mm
75	105	9.5	4 000	650

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 EC Directive 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.

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