

# **HOSTAPHAN®**

### Hostaphan® WDW and WDW CSRE 36-65

### White, glossy polyester film

Hostaphan<sup>®</sup> WDW / WDW CSRE is a white, biaxially oriented polyester film made of polyethylene terephthalate (PET) for applications like labels or lids for dairy products. The film exhibits high strength and dimensional stability as well as a low light transmission.

Hostaphan® WDW CSRE is one side chemical treated for improved adhesion of solvent based coatings and printing inks.

### **Typical properties**

Property	Thickness	Units	Value		Test Method	Test Conditions	
	μm		MD	TD			
MECHANICAL							
Tensile strength	36 50- 65	N/mm²	170 180	255 240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Elongation at break	36 50-65	%	170 160	85 100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.	
Edge tear resis- tance	36-65	N/mm²	290	380	DIN VDE 0345	23°C, 50% r.h.	
Puncture resis- tance	36 50 55 65	Ν	15 19 20 25		DIN EN 14477	Pin: 0.8 mm diameter 100 m/min	
THERMAL							
Melting point	36-65	°C	260		Differential- thermoanalysis	3 K/ min.	
Shrinkage	36-65	%	1.0	1.0	DIN 40634	150°C, 15 min.	
OPTICAL							
Transparency	36 50 55 65 36-65	%	34 28 27 23 0		ASTM-D 1003-61 method A	400 – 900 nm 400 – 900 nm 400 – 900 nm 400 – 900 nm 250 – 360 nm	
PHYSICAL/CHEMIC/	AL.						
Density	36-65	g/cm³	1.46		ASTM-D 1505-68 method C	23°C	
BARRIER							
Air permeability	36 50 55 65	cm³/m² x d x bar	20 14 13 11		DIN 53380	23°C, 0% r.h.	

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Property	Thickness	Units	Value		Test Method	Test Conditions
	μm		MD	TD		
Oxygen perme-	36	cm³/m² x d x bar	37	7	DIN 53380	23°C, 50% r.h.
ability	50		27			
	55		25	5		
	65		22	2		
Water vapour per-	36	g/m² x d	6		DIN 53122	23°C, 85% r.h.
meability	50		4			
	55		3.	5		
	65		3			

MD = Machine direction, TD = Transverse direction

### **Applications:**

- Lids for cups filled with dairy products, juice, water etc.
- Labels
- Release film
- Back lid signs

As lidding substrate Hostaphan<sup>®</sup> WDW offers many advantages over alternative lidding substrates, for example the film's universal processability on all existing filling lines, the easy peeling of lids without tearing and remaining sharp edged parts of the lids on the cups as well as its high puncture resistance. Further information to this application can be found in our extra leaflet "Hostaphan<sup>®</sup> WDW".

As label face stock Hostaphan<sup>®</sup> WDW offers a cost effective alternative to current materials due to the film's neutral white colour and its low light transmission in combination with its excellent thermal and chemical resistance.

The adhesion of printing inks, sealing lacquers or adhesives can be significantly improved with the one side chemical treated grade Hostaphan<sup>®</sup> WDW CSRE.

Thickness	Yield		Roll length	Roll-
				diameter
μm	g/m²	m²/kg	т	mm
36	52	19	On request	On request
50	73	13.5		
55	80	12.5		
65	95	10.5		

#### Delivery program Hostaphan® WDW and WDW CSRE

Core diameter: 152.4 mm (6")



## **HOSTAPHAN®**

This Hostaphan<sup>®</sup> 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<sup>®</sup> 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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