



Hostaphan® PCR WD5F and PCR WD5F CSRO 50

White, glossy polyester film containing 50% of post consumer recycled (PCR) polyester

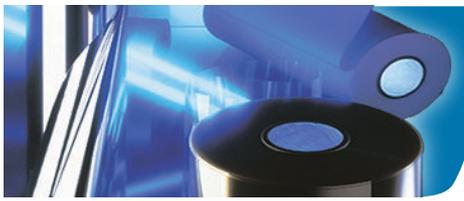
Hostaphan® PCR WD5F / PCR WD5F CSRO is a white, biaxially oriented polyester film made of polyethylene terephthalate (PET). 50% of the weight consists of post consumer recycled (PCR) polyester. The film exhibits high strength and dimensional stability as well as a low light transmission. It is suitable for applications like labels or lids for dairy products.

Hostaphan® PCR WD5F CSRO is one side chemical treated for improved adhesion of solvent based coatings and printing inks.

Typical properties

Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	50	N/mm ²	180	240	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	50	%	160	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Edge tear resistance	50	N/mm ²	290	380	DIN VDE 0345	23°C, 50% r.h.
Puncture resistance	50	N	19		DIN EN 14477	Pin: 0.8 mm diameter 100 m/min
THERMAL						
Melting point	50	°C	260		Differential-thermoanalysis	3 K/ min.
Shrinkage	50	%	1.0	1.0	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	50	%	28 0		ASTM-D 1003-61 method A	400 – 900 nm 250 – 360 nm
PHYSICAL/CHEMICAL						
Density	50	g/cm ³	1.46		ASTM-D 1505-68 method C	23°C
BARRIER						
Air permeability	50	cm ³ /m ² x d x bar	14		DIN 53380	23°C, 0% r.h.
Oxygen permeability	50	cm ³ /m ² x d x bar	27		DIN 53380	23°C, 50% r.h.
Water vapour permeability	50	g/m ² x d	4		DIN 53122	23°C, 85% r.h.

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® PCR WD5F 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® WDW".

As label face stock Hostaphan® PCR WD5F 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® PCR WD5F CSRO.

Delivery program Hostaphan® PCR WD5F and PCR WD5F CSRO

Thickness	Yield		Roll length	Roll-diameter
	μm	g/m^2		
50	73	13.5	On request	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. Please note that Hostaphan® PCR WD5F is intended for the manufacture of materials and articles for contact with all types of foodstuffs for hotfill and/or long term storage at or below room temperature. Before using this Hostaphan® film in a food contact article, please request the 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.