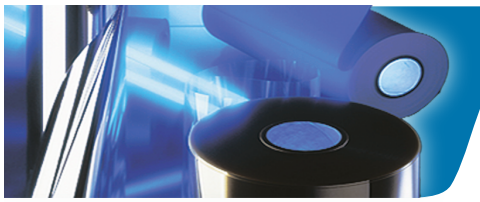

HOSTAPHAN®

Preliminary data sheet

Hostaphan® WDS and WDS CSRE

White, heat-sealable polyester film for lids

Hostaphan® WDS is a white biaxially oriented, coextruded film, made of polyethylene terephthalate (PET) which is characterized by outstanding properties like excellent sealability on one side, a high gloss surface on the other side and low transparency.

Hostaphan® WDS CSRE 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	65	N/mm^2	175	220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	65	%	140	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	65	N/mm^2	4200	5200	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	65	%	1.0	1.0	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	65	%	23		ASTM-D 1003-61 method A	-
SURFACE						
Coefficient of friction (static) Coated side/sealing side Coated side/coated side	65	-	 0.4 0.3		DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	65	g/cm^3	1.45		ASTM-D 1505-68 method C	23°C
BARRIER						
Oxygen	65	cm^3/m^2 x d x bar	25		DIN 53380	23°C, 50% r.h.
Water vapour	65	g/m^2 x d	3		DIN 53122	23°C, 85% r.h.
HEAT SEAL/PEEL PARAMETERS						
Sealing strength	65	N/15 mm	> 4		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel

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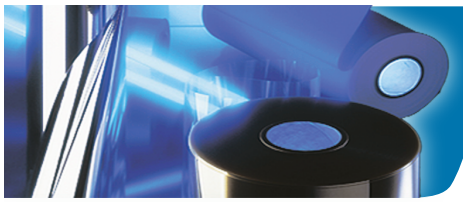

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
Seal temperature range	65	°C	> 120		-	-

MD = Machine direction, TD = Transverse direction

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

Delivery program Hostaphan® WDS and WDS CSRE

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
65	94	11	On request	On request

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.

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