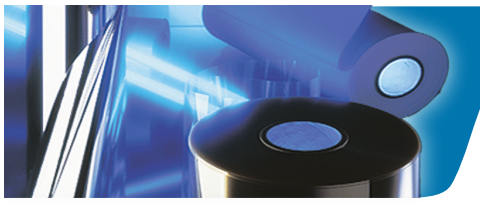

HOSTAPHAN®

Preliminary data sheet

Hostaphan® MUHS

Matte, heat-sealable and UV stable polyester film

Hostaphan® MUHS is a biaxially oriented, coextruded film, made of polyethylene terephthalate (PET) which is characterized by outstanding properties like excellent sealability on one side, a low gloss surface on the other side and a very high resistance against and high absorption of UV radiation.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Tensile strength	20	N/mm^2	200	200	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	20	%	140	110	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young´s Modulus	20	N/mm^2	4000	4000	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	20	%	1.4	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	20	%	90 < 2 (< 360nm)		ASTM-D 1003-61 method A	-
Haze	20	%	48		ASTM-D 1003-61 method A	Enlarged measurement angle
SURFACE						
Gloss (matte surface)	20	-	30		DIN 67530	Measuring angle 60°
PHYSICAL/CHEMICAL						
Density	20	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C
HEAT SEAL/PEEL PARAMETERS						
Sealing strength	20	N/15 mm	2-3		-	Finseal @130°C, 4 bar, 0.5 sec, T-peel
Seal temperature range	20	°C	> 120		-	-

MD = Machine direction, TD = Transverse direction

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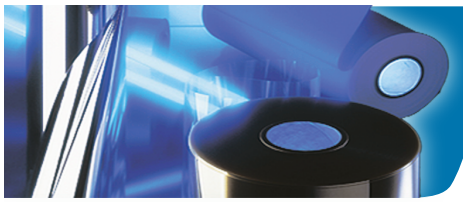

HOSTAPHAN®

Delivery program Hostaphan® MUHS

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m²*	*m²/kg*	*m*	*mm*
20	28	36	On request	On request

Core diameter: 152.4 mm (6")

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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