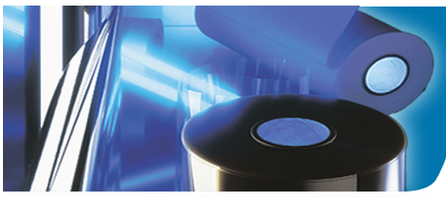

HOSTAPHAN®

Preliminary data sheet

Hostaphan® RNF

Extremely flame retardant, transparent polyester film

Hostaphan® RNF is a clear glossy film with made of polyethylene terephthalate (PET) with a phosphorous based non migrating halogene free flame retardant. It is characterized by its very low flameability achieving VTM-0 in the UL94 flameability test.

Typical properties

Property	*Thickness µm*	*Units*	*Value*		*Test Method*	*Test Conditions*
			MD	*TD*		
MECHANICAL						
Young´s Modulus	50	N/mm^2	3600	4200	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	50	%	2.0	0.6	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	50	%	91		ASTM-D 1003-61 method A	-
PHYSICAL/CHEMICAL						
Density	50	g/cm3	1.4		ASTM-D 1505-68 method C	23°C
FLAMMABILITY RATING						
Burning class	50	-	VTM-0		UL 94	Internal test

MD = Machine direction, TD = Transverse direction

RNF 36 and RNF 75 should achieve VTM-0 too, but have not been tested yet.

Delivery program Hostaphan® RNF

Thickness	*Yield*		*Roll length*	*Roll-diameter*
µm	*g/m^2*	*m^2/kg*	*m*	*mm*
50	70	14	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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