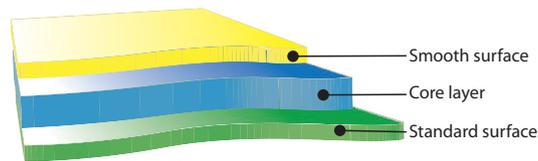


## HOSTAPHAN™ PCR 7RD

### Film with smooth, glossy surface and modified shrink containing 70% of postconsumer recycled (PCR) polyester

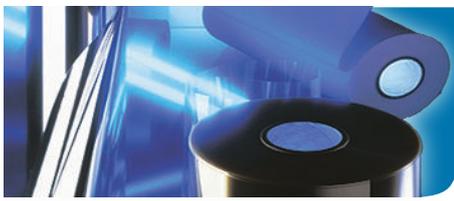
HOSTAPHAN™ PCR 7RD is an ABC coextruded, biaxially oriented film, made of polyethylene terephthalate (PET) with one extremely smooth surface and a shrink characteristic which makes it especially suitable for coating in safety applications. 70 % of the weight consists of post consumer recycled (PCR) polyester. The PCR material is added to the core layer of the film only. The cover layers are made of 100 % virgin material.

### Layer structure of HOSTAPHAN™ PCR 7RD



### Typical properties

Property	Thickness $\mu\text{m}$	Units	Value		Test Method	Test Conditions
			MD	TD		
<b>MECHANICAL</b>						
Tensile strength	23	N/mm <sup>2</sup>	220	220	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	23	%	140	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	23	N/mm <sup>2</sup>	4300	4700	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 1 %/min.; 23 °C, 50 % r.h.
F5-value (stress to obtain 5% elongation)	23	N/mm <sup>2</sup>	105	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
<b>THERMAL</b>						
Shrinkage	23	%	1.3	0.2	DIN 40634	150°C, 15 min.
<b>OPTICAL</b>						
Haze	23	%	2.0		ASTM-D 1003-61 method A	Enlarged measurement angle



Property	Thickness μm	Units	Value		Test Method	Test Conditions
			MD	TD		
SURFACE						
Coefficient of friction (static) Side A/A Side A/C Side C/C	23	-	Blocks 0.400 0.400		DIN53375 or ASTM-D 1894	-
Gloss	23	-	200		DIN 67530	Measuring angle 20°
PHYSICAL/CHEMICAL						
Density	23	g/cm <sup>3</sup>	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

## Applications:

- Holograms

## Delivery program HOSTAPHAN™ PCR 7RD

Thickness μm	Yield		Roll length m	Roll-diameter mm
	g/m <sup>2</sup>	m <sup>2</sup> /kg		
23	32	31	9 600	550

Other roll lengths 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.