

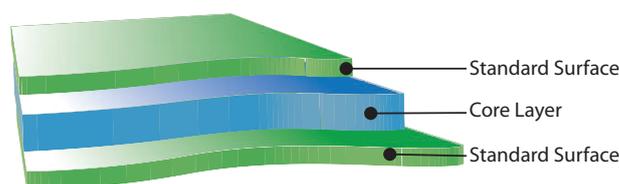


HOSTAPHAN™ PCR 7RN

Very glossy, transparent polyester film containing 70% of post consumer recycled (PCR) polyester

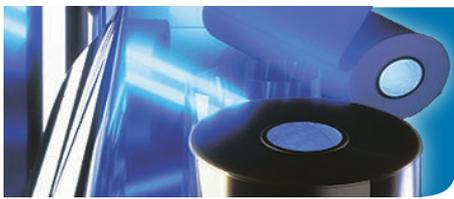
HOSTAPHAN™ PCR 7RN is a highly transparent, biaxially oriented coextruded film made of polyethylene terephthalate (PET). 70 % of the weight consists of post consumer recycled (PCR) polyester. The PCR material is added to the core layer of the film only. The cover layers are made of 100 % virgin material.

Layer structure of HOSTAPHAN™ PCR 7RN



Typical properties

Property	Thickness µm	Units	Value		Test Method	Test Conditions
			MD	TD		
MECHANICAL						
Tensile strength	12-16 19	N/mm ²	220 250	240 250	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Elongation at break	12-19	%	120	120	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
Young's Modulus	12-19	N/mm ²	4500	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)	12-19	N/mm ²	100	100	ISO 527-1 and ISO 527-3 Sample type 2	Test speed 100 %/min.; 23 °C, 50 % r.h.
THERMAL						
Shrinkage	12-19	%	1.5	0.2	DIN 40634	150°C, 15 min.
OPTICAL						
Transparency	12-19	%	90		ASTM-D 1003-61 method A	-
Haze	12-19	%	2		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)	12-19	-	0.4		DIN53375 or ASTM-D 1894	-
PHYSICAL/CHEMICAL						
Density	12-19	g/cm^3	1.4		ASTM-D 1505-68 method C	23°C

MD = Machine direction, TD = Transverse direction

Delivery program HOSTAPHAN™ PCR 7RN

Thickness μm	Yield		Roll length <i>m</i>	Roll-diameter <i>mm</i>
	g/m^2	m^2/kg		
12	17	60	On request	On request
16	22	45		
19	27	38		

Core diameter: 152.4 mm (6")

This film is also available with CT02 coating. Please ask for PCR 7RN CT02I (coating wound inside).

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.