

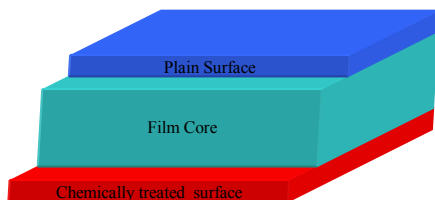
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PKR

Data Sheet (December 2005)

Product description

Nuroll PKR is a bi-axially oriented polyester (BOPET) film with one side chemically treated, designed for those applications where an excellent adhesion of inks, adhesives or metal is required. PKR film is particularly suitable for applications where thermal process is required. PKR is a retortable film



Technical details

Nuroll PKR is usually supplied with following characteristics:

- **Core diameter:** 6 inches (152.76 mm)
- **Film width:** min 330 mm, max 2400mm
- **Film length:** According with film thickness, max external reel diameter (640mm), max reel weight (1000 kg)

Substrate Thickness (microns)	12	23
Max Reel length (m)	24000	12000

- **Packing presentation:** suspended reel; wooden endboards, lid and pallet; stretchable PE film

Different characteristics than the above on request

Storage conditions

Nuroll PKR need to be stocked in a close warehouse and preserved from the light and from the humidity.

Reels must be not stacked

Nuroll will not accept any responsibility for material older than 1 year from the delivering

Compliance with regulations

Polyester Film produced by Nuroll SpA, complies with EEC, Italian and FDA requirements on packaging for direct contact with foodstuffs

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Typical Properties

Properties		Unit	Test Method	Typical values	
Thickness		Microns	ASTM E 252	12	23
Density		g/cm ³	ASTM D1505	1,395	1,395
Area Yield		m ² /kg	ASTM E 252	59,2	31,2
Tensile strength	MD	N/mm ²	ASTM D 882	220	230
	TD			250	240
Elongation at Break	MD	%	ASTM D 882	130	130
	TD			110	120
Thermal Shrinkage 150°C -30'	MD	%	ASTM 1204	1,3	1,3
	TD			0,8	0,6
C.O.F		Film/Film	ASTM D1894	0,4	0,4
Haze		%	ASTM D1003	3	3,5
MVTR (38°C, 90%RH)		g/m ² *day	ASTM E398	50	25
OTR (20°C, 0%RH)		cc/m ² *day	ASTM D3985	110	55

1. This information is the best currently available on product and it is subject to revision as additional knowledge and experience is gained.
2. The results obtained and the above properties refer to average value of laboratory tests. Therefore, such results have only to be considered as an indicative general guide to material properties and not as an implied guarantee that the product actually has said properties and/or a warranty of fitness for a particular purposes and/or suggestion for infringement of any existing patents.
3. Due to many factors which may affect customer production process, including but not limited by different equipments and techniques used, PKR film must be qualified before being used in any application.