

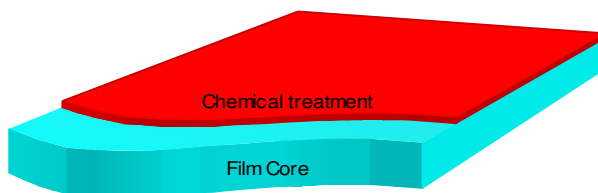
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## PKS

Data Sheet (January 2018)

### Product description

Nuroll PKS 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. PKS film is suitable only for dry and frozen applications.



### Recommendations

**PKS is a film not suitable for applications where thermal process and contact with water, liquids water based and essential oils is required.**

**Water based primers, inks and adhesives are not suitable.**

**Please contact us for every new and different application because it must be first qualified.**

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### PKS

#### Technical details

Nuroll PKS is usually supplied with following characteristics:

- ⚙️ **Core diameter:** 6 inches (152.76 mm)
- ⚙️ **Film width:** min 600 mm, max 2400mm. Other widths to be agreed.
- ⚙️ **Film length:** 12000 m, 24000 m
- ⚙️ **Max reel weight:** 1000 kg
- ⚙️ **Packing presentation:** suspended reel; wooden endboards, lid and pallet; stretchable PE film

**Different characteristics than the above on request**

#### Storage conditions

Nuroll PKS 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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## PKS

Properties	Unit	Test Method	Typical values
Thickness	Microns	ASTM E 252	12
Density	g/cm <sup>3</sup>	ASTM D1505	1,395
Yield (nominal)	m <sup>2</sup> /kg	ASTM E 252	59,2
	g/m <sup>2</sup>	ASTM E 252	16,9
Tensile strength	MD	N/mm <sup>2</sup>	220
		kg/inch	6,8
	TD	N/mm <sup>2</sup>	250
		kg/inch	7,4
Elongation at Break	MD	ASTM D 882	130
	TD		110
Thermal Shrinkage 150 °C-30'	MD	ASTM 1204	1,3
	TD		0,8
C.O.F	Film/Film	ASTM D1894	0,4
Haze	%	ASTM D1003	3
MVTR (38 °C, 90%RH)	g/m <sup>2</sup> *day	ASTM E398	50
OTR (20 °C, 0%RH)	cc/m <sup>2</sup> *day	ASTM D3985	110
CO <sub>2</sub> TR (20 °C, 0%RH)	cc/m <sup>2</sup> *day	Internal method	600
N <sub>2</sub> TR (20 °C, 0%RH)	cc/m <sup>2</sup> *day	Internal method	40

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, PKS film must be qualified before being used in any application.