

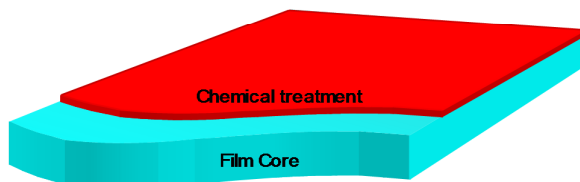
# Transparent Isotropic

## PKO

Data Sheet (January 2018)

### Product description

Nuroll PKO is a bi-axially oriented polyester (BOPET) with one side chemically treated. Specially designed for lidding application or for applications where the definition of printing plays a role very important (advertisement, warnings, etc). PKO film is particularly suitable for applications where thermal process is required. PKO is a retortable film.



### Recommendations

**In case of yogurt application it is suggestible to verify the adhesion of heat seal lacquers, usually designed for corona surface, on PKOM chemical treated surface**

### Technical details

Nuroll PKO is usually supplied with following characteristics:

- **Core diameter:** 6 inches (152.76 mm)
- **Film width:** min 600 mm, max 2100mm. Other widths to be agreed
- **Film length:** 12000, 24000 mt
- **Packing presentation:** suspended reel; wooden endboards, lid and pallet; stretchable PE film

**Different characteristics than the above on request**

### Storage conditions

Nuroll PKO 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**

# Transparent Isotropic

## PKO

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>	ASTM D 882	220
		kg/inch		6,8
	TD	N/mm <sup>2</sup>		250
		kg/inch		7,4
Elongation at Break	MD	%	ASTM D 882	140
	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
Isotropy film value (Min-Max)		Max tensile strenght		< 1,5 in all direction
		Min tensile strenght		
		Max elongation at break		< 2 in all direction
		Min elongation at break		

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