

# Barrier Transparent

## 12PKRA

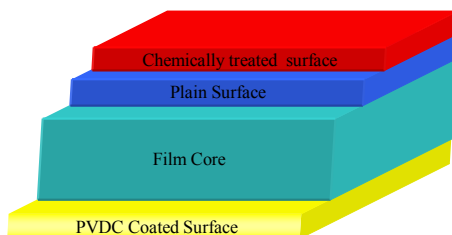
Data Sheet (December 2005)

### Product description

Nuroll 12PKRA is a bi-axially oriented polyester film with one side chemically treated, for printing and/or lamination, and one side coated with a PVDC copolymer water latex.

Designed for flexible barrier packaging where the printing quality plays an important role for the look of package.

PKRA is heat sealable (on PVdC side) and is an excellent moisture oxygen and aroma barrier. PKRA film offers a good resistance to heat and humidity also during pasteurization



### Main Applications

Barrier transparent flexible packages for: meat, biscuits, coffee, snacks, dairy products, olives, car freshness, wet towels, etc.

### Recommendations

-12 PKRA film must be preserved from the light exposition. We suggest to keep reels protected by UV barrier PE as supplied by Nuroll

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### Technical details

Nuroll PKRA is usually supplied with following characteristics:

- **Core diameter:** 6 inches (152.76 mm)
- **Film width:** min 400 mm, max 1960mm
- **Film length:** 12000, 24000 m
- **Packing presentation:** suspended reel; UV barrier PE, wooden endboards, lid and pallet; stretchable PE film

**Different characteristics than the above on request**

### Storage conditions

Nuroll PKRA 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	14	
Coating grammar	g/m <sup>2</sup>	ASTM E 252	2	
Area Yield	m <sup>2</sup> /kg	ASTM E 252	52,6	
Tensile strength	MD	N/mm <sup>2</sup>	ASTM D 882	220
	TD			250
Elongation at Break	MD	%	ASTM D 882	130
	TD			110
Thermal Shrinkage 150°C -30'	MD	%	ASTM 1204	1,3
	TD			0,8
Haze	%	ASTM D1003	5	
MVTR (38°C, 90%RH)	g/m <sup>2</sup> *day	ASTM E398	6	
OTR (20°C, 0%RH)	cc/m <sup>2</sup> *day	ASTM D3985	6	
Welding force	N/15 mm	130°C-1"- 1atm	1,1	
C.O.F	PVDC side/ Chemical side	ASTM D1894	0,4	

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