

Metallized

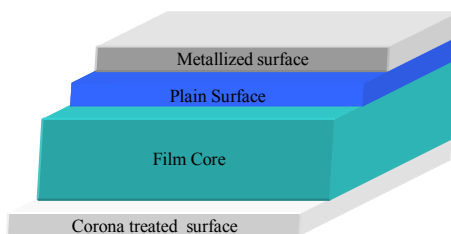
PXM

Data Sheet (December 2005)



Product description

Nuroll PXM is a bi-axially oriented polyester film, one side corona treated, one side metallized, designed for flexible packaging applications where high barrier properties are required



PXM standard metallization is on untreated side, corona treated surface is free for printing and/or lamination

Main Applications

All flexible laminated packages for high barrier applications: coffee, dehydrated food, frozen food, snacks, etc.

Recommendations

- Unprotected metallized side must be not in contact with foods
- PXM is not suitable for pasteurization

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Technical details

Nuroll PXM 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	15	19	23	36	50
Max Reel lenght (m)	24000	18000	15000	12000	8000	6000

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

Different characteristics than the above on request

Storage conditions

Nuroll PXM 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 guarantee and 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	15	19	23	36	50
Optical Density *		O.D.	Gilex (Macbeth)	2,2/2,4	2,2/2,4	2,2/2,4	2,2/2,4	2,2/2,4	2,2/2,4
Area Yield		m ² /kg	ASTM E 252	59,2	46,8	37,3	31,2	19,9	14,5
Tensile strength	MD	N/mm ²	ASTM D 882	220	220	230	230	230	210
	TD			250	250	240	240	240	220
Elongation at Break	MD	%	ASTM D 882	130	130	130	130	140	140
	TD			110	110	120	120	130	130
Thermal Shrinkage 150°C-30'	MD	%	ASTM 1204	1,3	1,3	1,3	1,3	1,4	1,4
	TD			0,8	0,8	0,6	0,6	0,8	0,8
C.O.F		Film/Film	ASTM D1894	0,4	0,4	0,4	0,4	0,4	0,4
MVTR (38°C, 90%RH)		g/m ² *day	ASTM E398	0,5	0,5	0,5	0,5	0,5	0,5
OTR (20°C, 0%RH)		cc/m ² *day	ASTM D3985	1	1	1	1	1	1

*Others optical density on request

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