Metallized

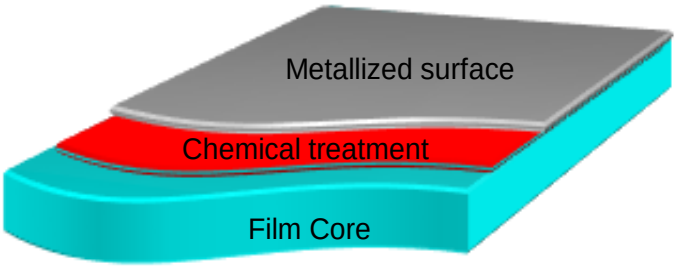
KMX

Data Sheet (November 2018)

Product description

Nuroll KMX is a bi-axially oriented polyester film, with chemical coated side metallized. Other side is corona treated.

Designed for flexible packaging applications where high barrier properties are required.
Designed for triplex applications.



Main Applications

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

Recommendations

- Unprotected metallized side must be not in contact with foods

- Nuroll recommends KMX for solvent free laminations. Other applications are related to Customer experience and knowledge.

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Technical details

Nuroll KMX 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**: Max external reel diameter (640mm), max reel weight (1000 kg)

Film Thickness (microns)	12
Standard reel length (m)	24000
	36000

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

Different characteristics than the above on request

Storage conditions

Nuroll KMX needs 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 delivery.

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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Properties		Unit	Test Method	Typical values
Thickness		Microns	ASTM E 252	12
Density		g/cm^3	ASTM D1505	1,395
Standard Optical Density		O.D.	Gilex (Macbeth)	2,2 - 2,4
Yield (nominal)		m^2/kg	ASTM E 252	59,2
		g/m^2	ASTM E 252	16,9
Tensile strength	MD	N/mm^2	ASTM D 882	220
		kg/inch		6,8
	TD	N/mm^2		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
MVTR (38°C, 90%RH)		g/m^2*day	ASTM E398	0,5
OTR (20°C, 0%RH)		cc/m^2*day	ASTM D3985	1
CO_2TR (20°C, 0%RH)		cc/m^2*day	Internal methiod	5
N_2TR (20°C, 0%RH)		cc/m^2*day	Internal methiod	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, KMX film must be qualified before being used in any application.

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