

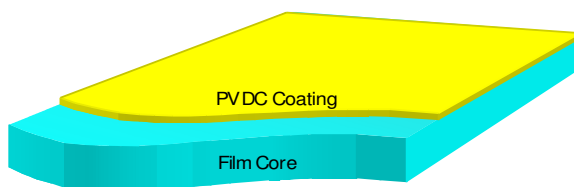
Transparent Barrier

PSS

Data Sheet (January 2018)

Product description

Nuroll 12PSS is a bi-axially oriented polyester (BOPET) film with one side coated with a PVdC copolymer water latex, designed for printing and lamination. The coating is heat sealable and has an excellent moisture, oxygen and aroma barrier.



Main Applications

Flexible transparent barrier packages for: biscuits, coffee, snacks, all products where contact with water is not needed.

Recommendations

- **12PSS is a film not suitable for applications where thermal process and contact with water, liquids water based and essential oils is required. Please contact us for every new and different application because it must be first qualified**
- **12PSS 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 PSS is usually supplied with following characteristics:

- ⚙️ **Core diameter:** 6 inches (152.76 mm)
- ⚙️ **Film width:** min 400 mm, max 1960mm
- ⚙️ **Film length:** 12000 m, 24000m
- ⚙️ **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 PSS 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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Properties	Unit	Test Method	Typical values
Thickness	Microns	ASTM E 252	13,5
Coating grammage	g/m ²	ASTM D1505	2
Yield (nominal)	m ² /kg	ASTM E 252	54
	g/m ²	ASTM E 252	18,5
Tensile strength	MD	N/mm ²	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
Haze	%	ASTM D1003	5
MVTR (38 °C, 90%RH)	g/m ² *day	ASTM E398	6
OTR (20 °C, 0%RH)	cc/m ² *day	ASTM D3985	6
CO ₂ TR (20 °C, 0%RH)	cc/m ² *day	Internal method	50
N ₂ TR (20 °C, 0%RH)	cc/m ² *day	Internal method	2,5
Welding force (Coating/Coating)	N/15 mm	130 °C-1"- 1 atm	1,1

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