

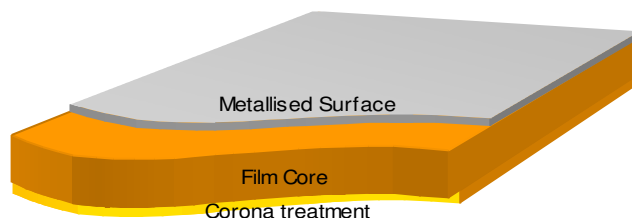
Gold Metallized

PGM

Data Sheet (January 2018)

Product description

Nuroll 12PGM is a bi-axially oriented polyester amber mass coloured film, one side corona treated, one side metallized, specially designed for flexible packaging applications. 12PGM film also offers excellent barrier properties



12PGM standard metallization is on untreated side, corona treated surface is free for printing and/or lamination

Main Applications

Lamination with cardboard, cosmetic (gold appearance),

Recommendations

- Unprotected metallized side must be not in contact with foods
- PGM cannot be used at temperature exceeding 80 °C
- PGM is not suitable for pasteurization

Gold Metallized

PGM

Technical details

Nuroll 12PGM is usually supplied with following characteristics:

- ⚙️ **Core diameter:** 6 inches (152.76 mm)
- ⚙️ **Film width:** min 600 mm, max 2000mm. Other widths to be agreed.
- ⚙️ **Film length:** 18000m standard - 24000 m on request
- ⚙️ **Packing presentation** suspended reel; wooden endboards, lid and pallet; stretchable PE film

Different characteristics than the above on request

Storage conditions

Nuroll 12PGM 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

Nuroll 12PGM, complies with EEC and Italian requirements on packaging for direct contact with foodstuffs

Gold Metallized

PGM

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	210
		kg/inch		6,4
	TD	N/mm ²		230
		kg/inch		7
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
Surface tension		Dynes/cm ²	ASTM D2578	52

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