

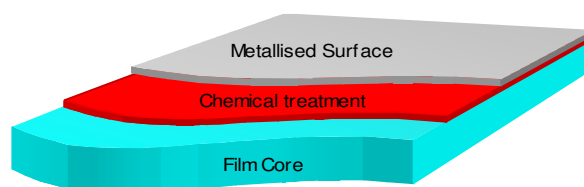
Metallized

PKSM

Data Sheet (January 2018)

Product description

Nuroll PKSM is a bi-axially oriented polyester (BOPET) film with one side metallized, designed for flexible packaging and for those applications where an excellent adhesion of metal is required. PKSM film is suitable only for dry and frozen applications. PKSM film also offers excellent barrier



Main Applications

High barrier flexible packages for: coffee, dehydrated food, frozen food, lidding, snacks.

Recommendations

-Unprotected metallized side must be not in contact with foods

-PKSM is not suitable for applications where thermal process and contact with water is required.

Metallized

PKSM

Technical details

Nuroll PKSM 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:** 12000 m, 24000 m
- ⚙️ **Max reel weight:** 1000 kg
- ⚙️ **Packing presentation:** suspended reel; wooden endboards, lid and pallet; stretchable PE film

Different characteristics than the above on request

Storage conditions

Nuroll PKSM 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

Metallized

PKSM

| 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 | 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 ₂ TR (20°C, 0%RH) | cc/m ² *day | Internal method | 5 |
| N ₂ TR (20°C, 0%RH) | cc/m ² *day | Internal method | 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, PKSM film must be qualified before being used in any application.