

Transparent Barrier

PKRA

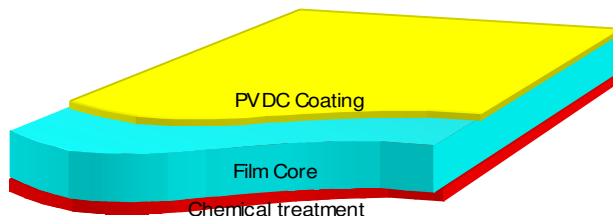
Data Sheet (January 2018)

Product description

Nuroll 12PKRA is a bi-axially oriented polyester film with one side chemically treated, for printing and/or lamination, and one side coated with a PVDC copolymer water latex.

Designed for flexible barrier packaging where the printing quality plays an important role for the look of package.

PKRA is heat sealable (on PVdC side) and is an excellent moisture oxygen and aroma barrier. PKRA film offers a good resistance to heat and humidity also during pasteurization



Main Applications

Flexible transparent barrier packages for: meat, biscuits, coffee, snacks, dairy products, olives, car freshness, wet towels, etc.

Recommendations

-12 PKRA film must be preserved from the light exposition. We suggest to keep reels protected by UV barrier PE as supplied by Nuroll

Transparent Barrier

PKRA

Technical details

Nuroll PKRA is usually supplied with following characteristics:

- **Core diameter:** 6 inches (152.76 mm)
- **Film width:** min 600 mm, max 1960mm. Other widths to be agreed.
- **Film length:** 12000, 24000 m
- **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 PKRA 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

Transparent Barrier

PKRA

| Properties | | Unit | Test Method | Typical values |
|------------------------------------|----|------------------------|-----------------|----------------|
| Thickness | | Microns | ASTM E 252 | 14 |
| Coating grammage | | g/m ² | ASTM D1505 | 2 |
| Yield (nominal) | | m ² /kg | ASTM E 252 | 52 |
| | | g/m ² | ASTM E 252 | 19,2 |
| 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 |
| 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"- 1atm | 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, PKRA film must be qualified before being used in any application.