

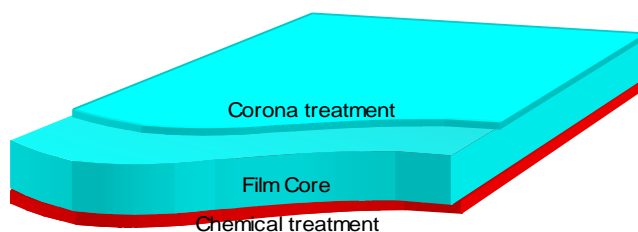
# Transparent double treated

## KRXE

Data Sheet (November 2021)

### Product description

Nuroll KRXE is a bi-axially oriented polyester (BOPET) with one side chemically treated and the other side corona treated. Specially designed for triplex applications that require improved adhesion of inks and adhesives.



### Technical details

Nuroll KRXE is usually supplied with following characteristics:

- ⚙️ **Core diameter:** 6 inches (152.76 mm)
- ⚙️ **Film width:** min 400 mm, max 2400mm. Widths **fully chartable** (ref. 6000mm)
- ⚙️ **Film length:** According with film thickness, max external reel diameter (780mm) , max reel weight (1000 kg)

| Film Thickness (microns) | 12    | 19    | 23    | 36   |
|--------------------------|-------|-------|-------|------|
| Standard reel length (m) | 24000 | 10000 | 12000 | 8000 |
|                          | 36000 | 15000 |       |      |

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

**Different characteristics than the above on request**

### Storage conditions

Nuroll KRXE 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 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                | ASTME 252       | 12             | 19    | 23    | 36    |
| Density                                |    | g/cm <sup>3</sup>      | ASTM D1505      | 1,395          | 1,395 | 1,395 | 1,395 |
| Yield (nominal)                        |    | m <sup>2</sup> /kg     | ASTME 252       | 59,2           | 37,3  | 31,2  | 19,9  |
|  |    | g/m <sup>2</sup>       | ASTME 252       | 16,9           | 26,8  | 32,5  | 50,2  |
| Tensile strength                       | MD | N/mm <sup>2</sup>      | ASTMD 882       | 220            | 230   | 230   | 230   |
|  |    | kg/inch                |                 | 6,8            | 11,1  | 13,5  | 20,5  |
|  | TD | N/mm <sup>2</sup>      |                 | 250            | 240   | 240   | 240   |
|  |    | kg/inch                |                 | 7,4            | 12,1  | 14,3  | 21,8  |
| Elongation at Break                    | MD | %                      | ASTMD 882       | 130            | 130   | 130   | 140   |
|  | TD |                        |                 | 110            | 120   | 120   | 130   |
| Thermal Shrinkage<br>150°C-30'         | MD | %                      | ASTM 1204       | 1,3            | 1,3   | 1,3   | 1,4   |
|  | TD |                        |                 | 0,8            | 0,6   | 0,6   | 0,8   |
| C.O.F                                  |    | Film/Film              | ASTM D1894      | 0,4            | 0,4   | 0,4   | 0,4   |
| Haze                                   |    | %                      | ASTM D1003      | 3              | 3,5   | 3,5   | 4,5   |
| MVTR (38°C, 90%RH)                     |    | g/m <sup>2</sup> *day  | ASTME E398      | 50             | 30    | 25    | 15    |
| OTR (20°C, 0%RH)                       |    | cc/m <sup>2</sup> *day | ASTM D3985      | 110            | 70    | 55    | 35    |
| CO <sub>2</sub> TR (20°C, 0%RH)        |    | cc/m <sup>2</sup> *day | Internal method | 600            |       |       |       |
| N <sub>2</sub> TR (20°C, 0%RH)         |    | cc/m <sup>2</sup> *day | Internal method | 40             |       |       |       |
| Surface tension on corona treated side |    | Dynes/cm <sup>2</sup>  | ASTM D2578      | 52             | 52    | 52    | 52    |

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