



**Description :**

PKR is a bi-axially oriented polyester (BOPET) film with one side chemically treated.

**Features and applications :**

- \* One side chemically treated
- \* Superior gloss and clarity
- \* Good dimensional stability
- \* Excellent machinability
- \* Excellent stiffness
- \* Superior adhesion with different inks and coating materials.
- \* PKR is a retortable film (lab test 120°C, 30 min)
- \* Particularly suitable for applications where thermal process is required

**Available gauge(s) (µm) :** 12,19,23,36

PKR needs to be stocked in a closed warehouse and preserved from the light. Polinas will not accept any responsibility for material older than 1 year from the delivery

| Properties                       | Unit               |    | Technical Values |        |        |        | Test Method |
|----------------------------------|--------------------|----|------------------|--------|--------|--------|-------------|
| <b>Thickness</b>                 | µm                 |    | 12               | 19     | 23     | 36     | ASTM D 2673 |
| <b>Yield</b>                     | m2/kg              |    | 59,9             | 37,86  | 31,28  | 19,98  | ASTM D 2673 |
| <b>Haze</b>                      | %                  |    | =< 4             | =< 4   | =< 4,5 | =< 5   | ASTM D 1003 |
| <b>Dimensional stability</b>     | %                  | MD | =< 1,5           | =< 1,5 | =< 1,5 | =< 1,5 | ASTM D 1204 |
|                                  | %                  | TD | =< 1             | =< 1   | =< 1   | =< 1   |             |
| <b>Tensile strength at break</b> | kg/mm <sup>2</sup> | MD | 22               | 23     | 23     | 23     | ASTM D 882  |
|                                  | kg/mm <sup>2</sup> | TD | 25               | 24     | 24     | 24     |             |
| <b>Elongation</b>                | %                  | MD | 130              | 130    | 130    | 130    | ASTM D 882  |
|                                  | %                  | TD | 110              | 120    | 120    | 120    |             |
| <b>C.O.F</b>                     | BB                 |    | =< 0,5           | =< 0,5 | =< 0,5 | =< 0,5 | ASTM D 1894 |
| <b>OTR (23C, 0%RH)</b>           | cm3/m2/24h         |    | 110              | 70     | 55     | 35     | ASTM D 3985 |
| <b>WVTR (38C, 90%RH)</b>         | gr/m2/24h          |    | 50               | 30     | 25     | 15     | ASTM F 1249 |
| <b>Surface tension</b>           | dyne/cm            | B  | 42               | 42     | 42     | 42     | ASTM D 2578 |

F: Front B: Back

This film complies with the EC and FDA food contact regulations. Detailed documentation is available on your request.

All the information contained in this datasheet is supplied at the best of our knowledge and must not be construed as a guarantee. Since the circumstances and processes used in the application of our product are beyond our control, our guarantee remains within the limits of the generic conditions of supply of the product itself. Business Development and Customer Solutions Department is available to supply upon request all the updated recommendations relevant to the best converting and processing techniques for the product. Also, different film thicknesses and properties are available upon request.



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