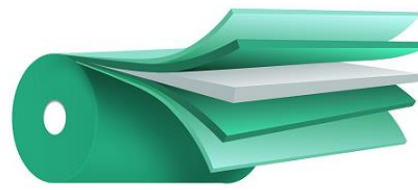




**PNRB37P** is 5 layer transparent plain BOPE film, HD additivated. Both side non heat sealable, one side corona treated suitable for printing.

Film density (0.937 g/cm<sup>3</sup>)



- PE printable layer, treated
- PE Intermediate layer
- PE core layer
- PE Intermediate layer
- PE layer

### TYPICAL APPLICATIONS

Rotogravure and flexo printing

Lamination

Single web as substitute of thicker blown PE film

| Properties                                | Test Methods | Deviation       | Typical Values |           |           |           |           |
|---|--------------|-----------------|----------------|-----------|-----------|-----------|-----------|
|   |              |                 | 20             | 25        | 30        | 35        | 40        |
| Thickness, µm                             |              |                 | 20             | 25        | 30        | 35        | 40        |
| Average thickness deviation, %            |              | ±               | 3              | 3         | 2.5       | 2.5       | 2.5       |
| Yield, m <sup>2</sup> /kg                 |              | ± 5%            | 53.5           | 42.7      | 35.6      | 30.5      | 26.7      |
| Unit weight, g/m <sup>2</sup>             |              | ± 5%            | 18.7           | 23.4      | 28.1      | 32.8      | 37.5      |
| Gloss (45°)                               | ASTM D 2457  | ≥               |                |           | 86        |           |           |
| Haze, %                                   | ASTM D 1003  | ± 1             | 2.5            | 2.5       | 2.5       | 2.5       | 2.5       |
| Coefficient of Friction*                  | ASTM D 1894  | ± 0.05          |                |           | 0.3       |           |           |
| Elmendorf Test MD, mN<br>Tear Test TD, mN | ASTM D 1938  | ± 10%           |                |           | < 500     |           | < 500     |
| Tensile strength, MPa                     |              |                 |                |           | 80        |           | 210       |
|   | MD<br>TD     | ASTM D 882      | ± 20           |           |           |           |           |
| Elongation at break, %                    |              |                 |                |           | 330       |           | 70        |
|   | MD<br>TD     | ASTM D 882      | ± 30           |           |           |           |           |
| Shrinkage, %<br>100°C – 5 min             | MD<br>TD     | Internal Method | ± 1            |           | 3         |           | 5         |
| Surface treatment,<br>dynes/cm            |              | ASTM D 2578a    | Min<br>38      | Min<br>38 | Min<br>38 | Min<br>38 | Min<br>38 |

\*- Dynamic COF film/film non-treated to non-treated side

The specified values are based on average results, measured by the manufacturer during standard production. They should not be considered as Data Sheet of any particular product.

The end user should be satisfied as to the suitability of the product for the intended application and the present regulatory regime. Therefore Plastchim-T AD disclaims any liability for damages arising from the non-suitability of the product for the effected application.



### FOOD CONTACT

The BOPE Film complies with all national and international standards and requirements for food contact. Declaration of Compliance is accessible at [www.plastchim-t.com](http://www.plastchim-t.com).

### INDICATION OF PRINTABLE SURFACE

**PNRB37P** is usually supplied with printable layer on the outside surface, in case of requirement for printable layer inside, this must be agreed with our sales representative before order processing.

### PACKING

|                   | Core Diameter             | Outer Diameter * | Notes   |
|-------------------|---------------------------|------------------|---|
| <b>Vertical</b>   | 152 mm (6`)<br>76 mm (3`) | ≤ 550 mm         | ≤ 700 mm – two or more rows<br>> 700 mm – one row |
| <b>Horizontal</b> | 152 mm (6`)<br>76 mm (3`) | ≤ 770 mm         |   |

(\*) In case of no other requirements

### TOLERANCES

| Weight tolerance, depending on the order volume         | Width tolerance | Length tolerance |
|---|-----------------|------------------|
| ≤ 1 000 kg ± 20%<br>1001 ÷ 10 000 ± 10%<br>>10 000 ± 5% | ± 2 mm          | ±5 %             |

### Storage and Transportation Terms & Conditions

Palletizing of goods is done according to customer's requirements.

The storage of all goods is in dry, covered and clean warehouses.

The transportation of the goods is carried out in dry, covered and clean means of transport.

The recommended temperature of storage/transportation is 10-30°C. If the temperature is not within the recommended limits, the following issues may occur:

- Decrease of dyne level
- Higher haze of the film
- Poor adhesion of the film surface that on a later stage could be an issue for laminating and printing
- Extremely low COF that can trouble further processing

Excessive humidity can be a reason for film blocking.

It is recommended that BOPE film should be tempered at operating room temperature for 24 hours before use.

Adherence to the above mentioned storage conditions ensures that the film is suitable to be used up to 6 months after production.

Claims regarding to the transportation are accepted within 1 week after the delivery date. If any, a record has to be taken in the CMR.

**Last update: Edition 1 / 15<sup>th</sup> December 2022**