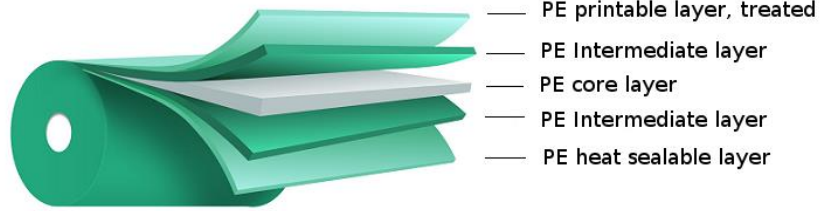


TECHNICAL DATA

OD 04.03.08.857(4)

PNRB37LS is 5 layer transparent BOPE film, LLDPE based, HDPE blended. One side heat sealable, one side non heat sealable corona treated, suitable for printing. Film density (0.937 g/cm³)



TYPICAL APPLICATIONS

Rotogravure and flexo printing

Lamination

Single web as substitute of thicker blown PE film

Properties	Test	Deviation	Typical Values			
Thickness, µm			25	30	35	40
Average thickness deviation, %		±	5	5	5	5
Yield, m ² /kg		± 5%	42.7	35.6	30.5	26.7
Unit weight, g/m ²		± 5%	23.4	28.1	32.8	37.5
Gloss (45°)	ASTM D 2457	≥	86			
Haze, %	ASTM D 1003	≤	4	5	6	6
Coefficient of Friction*	ASTM D 1894	± 0.05	0.2			
Elmendorf Test MD, mN	ASTM D 1938	± 10%	< 500			
Tear Test TD, mN			< 500			
Tensile strength, MPa	ASTM D 882	min	60			
MD			150			
TD						
Elongation at break, %	ASTM D 882	± 30	330			
MD			70			
TD						
Shrinkage, %	Internal Method	± 1	3			
MD 100°C – 5 min			2			
TD						
Seal strength, N/15 mm, 100°C, 1bar 1 sec **	Internal Method	≥	7	8	8	8
Sealing Initiation Temperature (SIT), °C **	Internal Method		82			
Surface treatment, dynes/cm	ASTM D 2578a		Min 38	Min 38	Min 38	Min 38

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

**-Reported heat sealing properties on non-treated to non-treated film 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.

TECHNICAL DATA

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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.

INDICATION OF PRINTABLE SURFACE

PNRB37LS 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
Vertical	152 mm (6`) 76 mm (3`)	≤ 550 mm	≤ 700 mm – two or more rows > 700 mm – one row
Horizontal	152 mm (6`) 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%	± 2 mm	± 5 %
1001 ÷ 10 000 ± 10%		
>10 000 ± 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 storage and transport conditions ensures that the film is suitable for use within the terms stated in our document "**Storage Period (Shelf Life) of Plastic Packaging Films**".

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 4 / 11 November 2024