

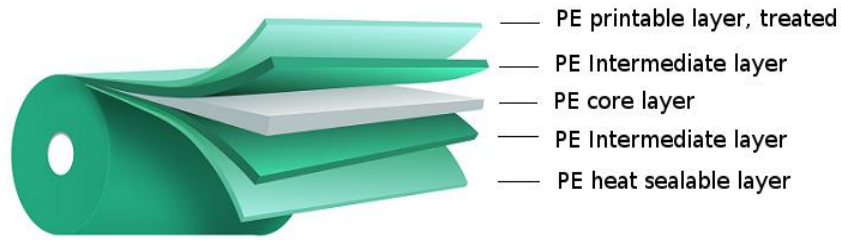


TECHNICAL DATA

OD 04.03.08.879(1)

PNRB28LS is 5 layer transparent BOPE film, LLDPE based. One side heat sealable with low sealing temperature, one side non heat sealable corona treated, suitable for printing.

Film density (0.928 g/cm³)



Film density (0.928 g/cm³)

TYPICAL APPLICATIONS

Rotogravure and flexo printing

Lamination

Single web as substitute of thicker blown PE film

Properties	Test Methods	Deviation	Typical Values			
Thickness, µm			20	25	30	40
Average thickness deviation, %		±	5	5	5	5
Yield, m ² /kg		± 5%	53.9	43.1	35.9	26.9
Unit weight, g/m ²		± 5%	18.6	23.2	27.8	37.1
Gloss (45°)	ASTM D 2457	≥	86	86	86	86
Haze, %	ASTM D 1003	± 1	4	4	4	4
Coefficient of Friction*	ASTM D 1894	± 0.05	0.27	0.27	0.27	0.27
Elmendorf Test MD, mN	ASTM D 1938	± 10%	< 500	< 500	< 500	< 500
Tear Test TD, mN			< 500	< 500	< 500	< 500
Tensile strength, MPa	ASTM D 882	± 20	80	80	80	80
MD			200	200	200	200
TD			200	200	200	200
Elongation at break, %	ASTM D 882	± 30	200	200	200	200
MD			60	60	60	60
TD			60	60	60	60
Shrinkage, %	Internal Method	± 1	3	3	3	3
100°C – 5 min			5	5	5	5
Seal strength, N/15 mm, 100°C, 1bar 1 sec **	Internal Method	≥	7	7	7	7
Sealing Initiation Temperature (SIT), °C **	Internal Method		90			
Surface treatment, dynes/cm	ASTM D 2578a		Min 38	Min 38	Min 38	Min 38

*- Dynamic COF film/film

** - SIT untreated/untreated 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

OD 04.03.08.879(1)

FOOD CONTACT

The PNRB28LS Film complies with EEC 10/2011 and national and international standards and requirements for food contact. FCC available upon request : MSDS , REACH and other Declarations of Compliance (RHOS , general absence of given substances .) are accessible at www.plastchim-t.com.

INDICATION OF PRINTABLE SURFACE

PNRB28LS 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% 1001 ÷ 10 000 ± 10% >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 10-35°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 BOPP film should be tempered at operating room temperature for 24 hours before use.

Before printing or laminating of BOPP films it is recommended the use of an inline treatment station in order to boost the treatment level of the printable surface or to be used adequate primer to achieve a perfect product.

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 1 / 04 April 2024