

MANUAL STRETCH FILM

1. SUBJECT OF TECHNICAL SPECIFICATIONS

The subject of the technical specification is a polyethylene, three-layer, transparent, and stretchable stretch film obtained by extrusion using the CAST flat-die method. The stretch film is manufactured from linear low-density polyethylene LLDPE.

2. SCOPE OF APPLICATION

LLDPE manual stretch film is intended for securing and packaging loads on pallets in applications that allow for wrapping using manual dispensers or without them.

3. REQUIREMENTS

The product surface should be uniform, without creases, dirt, or permanent folds, and must not have any holes. The film must not protrude beyond the core. The product should be wound evenly. A displacement of the end of the winding relative to its beginning is permissible up to 5 mm.

Film width: 450- 500 mm (standard) ± 5 mm

Film length: depending on the thickness of the manufactured product

Density: 0,918 g/cm³

Film thickness: 12 μ m – 30 μ m ± 1 μ m

Core weight: 450mm width (230/250g), 500mm (250g, 300g, 350g, 400g, 700g, 850g)

SUMMARY OF STRENGTH AND MECHANICAL REQUIREMENTS FOR STRETCH FILM

THICKNESS	12 μ	15 μ	17 μ	20 μ	23 μ	30 μ	Unit	Tolerance	TEST METHOD
ELONGATION AT BREAK	125	145	175	195	225	255	%	- 20 %	PLAST II
GUARANTEED STRETCH	80	100	130	150	150	150	%	---	PLAST II
RETENTION FORCE VALUE	1,09	1,20	1,27	1,43	1,51	1,89	kg	- 20 %	PLAST II
PUNCTURE RESISTANCE VALUE	1,12	1,35	1,50	1,73	2,00	2,47	kg	- 20 %	PLAST II

All data refer to the following conditions:

- film thickness: 12-35 μ m
- temperature 20°C

*The tension of the film results in a slight reduction in its width - max. 10%. (Eg. At 100% strain of 1m foil width. We 0,5m get 2m film width. 0.45M).

**we only produce colored stretch film in a thickness of 23 microns

The data indicated in this technical data sheet are estimated and were obtained in laboratory conditions, based on the best knowledge and experience. The data are not binding. It is recommended to carry out production tests in advance to confirm the

suitability of the raw material for the intended purpose and the solutions used. The supplier is not responsible for any damage resulting from any errors or inaccuracies in the above estimated data.

4. PACKAGING, STORAGE AND TRANSPORT PACKAGING

PACKAGING

Manual stretch film is wound onto cardboard cores. The film rolls are placed in a horizontal position on a pallet, up to a maximum of 600 rolls. The whole is secured with cardboard corners and a rainproof film hood. The manual stretch film can be packed in bulk or in cartons of 6 pieces per carton. The film in cartons is secured with cardboard corners. Each pallet is marked with a label containing data identifying the product and the customer's name or with custom customer labels if required.

STORAGE

Stretch film should be stored in dry and airy rooms, as far as possible from heating devices. Storage and usage temperature of the film: from -5°C to +30°C. Stretch film should be protected from sunlight and moisture. Stacking of full pallets with film is allowed up to a maximum of two pallets, one on top of the other.

TRANSPORT

The product should be transported by covered means of transport, protected against mechanical damage and atmospheric influences. Stretch film is very susceptible to mechanical damage, so the tearing of the film web during pallet wrapping is most often caused by a lack of caution during transport, unloading, moving, placing on the ground, and mounting the product onto the wrapping machine.
