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POLYOLEFIN NON-ORIENTED CAST FILM – VerCAST

Technical Specification Sheet

1. **Product:** Non-oriented Polypropylene Film (CAST) – **VerCAST**.
2. **Product application:** used as a part of laminates or as individual packaging material.
3. **Direct food contact:** the film meets all local (Polish) and European Union requirements in the scope of materials and products intended to come into contact with food and foodstuff (types - L, Lw, BW, BW(S), BS, P, M, F, F(A), F(S), F(H), SF, S, AF, CC, EF, EF BIO, T, MS).
4. **Commercial denomination:** non-oriented polypropylene film, produced by Veroni-Pak is offered under the commercial denomination of **VerCAST**.
 - 4.1. **Film identification:**
VerCAST x or xx
 where **x** or **xx** stands for one- or two-letter film type marking:
 - L - film intended for lamination,
 - Lw – white film intended for lamination,
 - P - film intended for perforation,
 - M - perforated film,
 - S - for sterilization,
 - F, F(A), F(S), F(H) - film intended for freezing applications,
 - SF - film intended for deep freezing applications,
 - BW, BW(S) - film intended for bag and food packaging production
 - AF - „antifog” film,
 - OB - office blue film,
 - T - with a higher coefficient of friction,
 - BS - film intended for bag and food packaging production,
 - CC – non-oriented film without sealing layer,
 - EF – polyolefin film intended for freezing applications,
 - EF BIO – polyolefin film intended for freezing applications, based on raw materials from renewable sources,
 - MS - CAST film with higher mechanical strength to cut and puncture

Example:

VerCAST BW - non-oriented polypropylene film CPP intended for bag and bread packaging production.

5. Selling conditions:

5.1. Side treatment/activation:

The surface of the film is usually treated on the outside of the reel.

It is also possible to treated the film on the inside of the reel at the request of the Buyer.

5.2. Selling unit:

Non-oriented polypropylene film **VerCAST** is sold in reels. The film is wound on a cardboard sleeve with the inner diameter of 76 or 152 mm.

5.3. Defects:

The following defects are to be foreclosed:

- folds,
- rucks,
- oil stains,
- telescopic effects,
- damaged edges of a reel,
- mechanical damages occurred while loading or shipping,
- clamping of the sleeve,
- cardboard sleeve being shorter than the reel itself,
- sleeve falling out of the reel or being loose.

5.4. Allowable tolerance:

- thickness: +/- 6%,
- width: ranging 200-2000mm +/- 2mm tolerance,
- diameter reels ≤600mm,
- permissible number of joints in the roll of film ≤2.

5.5. Marking of reels:

Each reel is marked with a self-adhesive label containing:

- producer name and contact information,
- type of the film,
- thickness of the film,
- width of the reel,
- internal sleeve diameter,
- length of the reel,
- net weight of the film,
- production date,
- cutting date,
- reel no.,
- external reel diameter,
- no. of film joints in the reel,
- treated side of the film,

- status of the reel after being checked.

6. Packing, storage and shipment:

VerCAST film is shipped on pallets, being the loading units, on which reels can be placed depending on the Buyer's request:

- vertically,
- horizontally.

The manufacturer recommends film processing conditions: 15 to 35°C and humidity up to max. 75% Rh. Compliance with these conditions ensures that the specified properties of the films.

6.1. Markings of pallets:

Pallet units are marked with a label containing the following data:

- order no.,
- pallet no.,
- order no.,
- packing date,
- type of the film,
- thickness of the film,
- width of the reel,
- no. of reels on the pallet,
- net weight of the pallet,
- gross weight of the pallet,
- customer number

6.2. Storage:

Each pallet should be stored in roofed places in order to avoid the following:

- sunlight,
- different weather conditions,
- getting damp,
- getting wet.

Pallets should be stored at least 1.5 m from heat sources (heat generating devices). **Stacked pallets, covered with stretch film, should be unstacked as soon as possible, to allow proper air circulation.**

Storage or transportation of the **VerCAST** film under temperature below +15°C requires additional storage under further processing temperature for min. 24h.

6.2. **Shipment:**

VerCAST film should be shipped with roofed means of transport according to the current traffic regulations. Pallets should be secured against foreign odours, movement, getting dirty, damp and suffering any damage while being shipped.

7. **Warranty:**

The manufacturer guarantees the quality of the film VerCAST [set out in these Terms and Conditions and Technical Catalogue Sheets] on:

- the level of treatment of the film for a period of three months from the date of manufacture / stated on the label winding /
- on the other properties of the films directory specified in the data sheet for a period of six months from the date of sale.

To be sold as a full-fledged product released films are made not earlier than six months before the date of the sale, the properties of which have been positively verified by laboratory tests.

Treatment level is guaranteed for a period of three months from the date of production at a level ensuring the possibility of lamination and printing for min. 36 mN/m.

After 2 months from date of manufacture warranty dot. level of activation may be appropriately extended on the basis of laboratory tests performed. In this case, for specific information regarding the product batch. Warranty activation level is specified in the certificate of quality.

8. **Additional requirements** /under the Act on packaging and packaging waste; [Dz. U. 2020 poz. 1114]/ and [Dz. U. z 2020 r. poz. 797 i 875]

Introducing company products in packaging must be submitted by the users of the product information on packaging and packaging waste in the area:

- a) the proper packaging waste management,
- b) the importance of markings on packaging,
- c) the impact of packaging waste on the environment and human health,
- d) available to return, collection and recovery, including recycling of packaging waste

This can be done by hanging the information at point of sale, issue leaflets and brochures, posters displaying or organizing competitions and events of information and education.