

## VerCAST F technical data sheet

POLYPROPYLENE NON-ORIENTED CAST FILM with sealing layers, suitable for freezing

### ADVANTAGES

- good mechanical and optical properties
- tear and puncture resistance
- low (-) temperature resistance
- optimal sealing properties
- high barrier properties and water-steam permeation
- one side corona treatment (outer layer of the roll)

### APPLICATIONS

- packaging material for storing of frozen products
- suitable for flexo and roto printing

### TECHNICAL PARAMETERS

Requirements	Nominal/guaranteed value									Research method	
Thickness [ μm], ± 6%	25	27	30	35	38	40	50	75	80	ISO 4593	
Density [g/cm <sup>3</sup> ]	0,9									ISO 845	
Unit weight [g/m <sup>2</sup> ]	22,5	24,3	27,0	31,5	34,2	36,0	45,0	67,5	72,0	ISO 536	
Packaging capability [m <sup>2</sup> /kg]	44,4	41,2	37,0	31,7	29,2	27,8	22,2	14,8	13,9	ISO 536	
Tensile strength [N/mm <sup>2</sup> ] - MD, not less than - TD, not less than	42 20		40 22		38 24		35 24		32 24		ISO 527 -1, -3
Elongation at break [%] - MD, not less than - TD, not less than	500 700			600 700							
Coefficient of friction, (film/film), NT/NT not less than	0,25									ISO 8295	
Haze*, [%], no more than	3,2	3,4	3,5	3,6	3,7	3,8	3,9	4,2	4,5	ASTM D 1003	
Gloss (45°)*, [%], not less than	85									ASTM D 2457	
Treatment, [mN/m], not less than	36									ISO 8296	
Lamination and print usability	yes									MW/Veroni-Pak/01	
Sealing temperature range [°C]**	115-150										

\*/ Test performed directly after the extrusion.

\*\*/ Tested in laboratory conditions. Industrial sealing temperature depends on a type of sealing electrode and speed of the sealing/ welding process.

Ability for printing and lamination is checked with a test ink. Film is suitable for printing/ lamination only if the layer of a test ink is a homogenous, continuous and indelible area after it dries out. Ability for printing/ lamination is guaranteed for the period of 3 months from the manufacturing date indicated on the label attached to every roll. Other parameters listed above are guaranteed for the period of 6 months from the manufacturing date.

IMPORTANT: If the film is stored in the temperature below 15°C, it requires additional conditioning in the processing temperature ≥20 °C during min. 24h.

The manufacturer recommends the following film processing conditions: temperature: 15 - 35°C, humidity: max. 75% Rh. Compliance with these conditions ensures specified properties of the film and flawless processability.

The technical parameters in the table are based on laboratory tests and are for informative purposes only.

Veroni-Pak reserves the right to amend them.

All the parameters' values given in the table above apply only to unprocessed film.

It is necessary to validate VerCAST film at every stage in the actual processing conditions.

We also recommend to validate the film as a part of a finished packaging in the conditions of its final destination.

The film is fully recyclable with standard recycling systems.