VERONI sp. z o.o.
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VerCAST BW technical data sheet

POLYPROPYLENE NON-ORIENTED CAST FILM with sealing layers and increased tear resistance

ADVANTAGES

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

APPLICATIONS

- packaging material for food, especially for bread
- suitable for horizontal fast packaging machines
- suitable for flexo and roto printing

TECHNICAL PARAMETERS

Requirements	Nominal/guaranteed value							Research method
Thickness [μm], ± 6%	20	24	25	30	33	35	38	ISO 4593
Density [g/cm^3]	0,9							ISO 845
Unit weight [g/m^2]	18,0	21,6	22,5	27,0	29,7	31,5	34,2	ISO 536
Packaging capability [m^2/kg]	55,6	46,3	44,4	37,0	33,7	31,8	29,2	ISO 536
Tensile strength [N/mm^2] - MD, not less than - TD, not less than	 33 15	 35 17	 35 17	 38 18	 38 18	 38 18	 35 20	ISO 527 -1, -3
Elongation at break [%] - MD, not less than - TD, not less than	 450 480	 500 550	 500 550	 550 580	 550 580	 550 580	 550 580	
Coefficient of friction, (film/film), NT/NT, not more than	0,25							ISO 8295
Haze* [%], no more than	3,0	3,1	3,2	3,3	3,3	3,4	3,5	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							

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Requirements	Nominal/guaranteed value							Research method
Thickness [μm], ± 6%	40	42	45	50	60	70	80	ISO 4593
Density [g/cm^3]	0,9							ISO 845
Unit weight [g/m^2]	36,0	37,8	40,5	45,0	54,0	63,0	72,0	ISO 536
Packaging capability [m^2/kg]	27,8	26,5	24,7	22,2	18,5	15,9	13,9	ISO 536
Tensile strength [N/mm^2] - MD, not less than - TD, not less than	35 20	35 20	32 22	32 22	32 24	32 24	32 24	ISO 527 -1, -3
Elongation at break [%] - MD, not less than - TD, not less than	560 600	560 600	560 600	580 650	600 680	600 700	600 700	
Coefficient of friction, (film/film), NT/NT, not more than	0,25							ISO 8295
Haze* [%], no more than	3,5	3,6	3,7	3,8	4,0	4,3	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	tak							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 production date indicated on the label attached to every roll. Other parameters listed above are guaranteed for the period of 6 months from the production date, nonetheless it is recommended to use the film during first 3 months after the production when it maintains its best properties.

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 these tables 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.

BRCGS Packaging Materials CERTIFICATED

Electronic document - valid without signature

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