VERONI sp. z o.o.
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www.veroni.com.pl; www.veroni-pak.com.pl

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VerCAST L technical data sheet

POLYPROPYLENE NON-ORIENTED CAST FILM with sealing layers

ADVANTAGES

- good mechanical and optical properties
- optimal sealing properties
- increased coefficient of friction
- high barrier properties and water-steam permeation
- antistatic and antyblocking properties to simplify packaging process on packaging machines
- one side corona treatment (outer layer of the roll)

APPLICATIONS

- packaging for food, textiles, flowers, fresh herbs and others
- for horizontal packaging confectionary like bread, bars, cakes and other
- suitable for lamination with other films eg. PE, BOPP, PET
- suitable for flexo and roto printing

TECHNICAL PARAMETERS

Requirements	Nominal/guaranteed value											Research method
Thickness [μm], ± 6%	20	23	25	30	35	37	38	40	43	45	50	ISO 4593
Density [g/cm^3]	0,9											ISO 845
Unit weight [g/m^2]	18,0	20,7	22,5	27,0	31,5	33,3	34,2	36,0	38,7	40,5	45,0	ISO 536
Packaging capability [m^2/kg]	55,6	48,3	44,4	37,0	31,7	30,0	29,2	27,8	25,8	24,7	22,2	ISO 536
Tensile strength [N/mm^2] - MD, not less than - TD, not less than	 20 15	 22 16	 23 17	 25 18	 27 19	 27 19	 27 19	 28 19	 28 19	 28 19	 28 20	ISO527 -1, -3
Elongation at break [%] - MD, not less than - TD, not less than	 450 480	 450 480	 450 500	 480 500	 500 520	 500 520	 500 520	 500 520	 500 520	 500 540	 500 550	
Coefficient of friction (film/film), NT/NT, not more than	0,35											ISO 8295
Haze* [%], no more than	3,0	3,1	3,2	3,4	3,5	3,6	3,7	3,8	3,9	3,9	4,0	ASTM D 1003
Gloss (45°)* [%], not less than	88											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]**	125-150											

BRCGS Packaging Materials CERTIFICATED

KRS 0000800137 REGON 384249006 Sąd Rejonowy w Toruniu, VII Wydział Gospodarczy Krajowego Rejestru Sądowego, wysokość kapitału zakładowego 10 000 000,00PLN

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Requirements	Nominal/guaranteed value											Research method
Thickness [μm], ± 6%	55	60	65	70	75	80	90	100	110	150	165	ISO 4593
Density [g/cm^3]	0,9											ISO 845
Unit weight [g/m^2]	49,5	54,0	58,5	63,0	67,5	72,0	81,0	90,0	99,0	135,0	148,5	ISO 536
Packaging capability [m^2/kg]	20,2	18,5	17,1	15,9	14,8	13,9	12,3	11,1	10,1	7,4	6,7	ISO 536
Tensile strength [N/mm^2] - MD, not less than - TD, not less than	 30 21	 30 21	 30 21	 32 22	 32 22	 34 22	 34 23	 35 24	 34 23	 30 24	 28 23	ISO 527 -1, -3
Elongation at break [%] - MD, not less than - TD, not less than	 500 580	 500 580	 510 600	 530 600	 550 600	 570 600	 560 620	 560 620	 550 640	 550 650	 600 700	
Coefficient of friction (film/film), NT/NT, not more than	0,35											ISO 8295
Haze* [%], no more than	4,2	4,4	4,6	4,8	4,9	5,0	5,4	6,0	6,4	9,0	12,0	ASTM D 1003
Gloss (45°)* [%], not less than	88											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]**	125-150											

*/ 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 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.

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