

CPP-F Technical Data Sheet

(edition 5)

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

ADVANTAGES

- good mechanical and optical properties
- tear and puncture resistance
- low temperatures resistance up to $\pm 25^{\circ}\text{C}$
- excellent sealing properties
- high barrier properties and water-steam permeation
- one side treatment (outer layers of the roll)

APPLICATIONS

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

TECHNICAL PARAMETERS

Requirements	Nominal / guaranteed value						Research method
Thickness [μm], 6%	25	27	30	35	38	40	ISO 4593
Density [g/cm ³]	0,9						ISO 845
Unit weight [g/m ²]	22,5	24,3	27,0	31,5	34,2	36,0	ISO 536
Packaging capability [m ² /kg]	44,4	41,2	37,0	31,7	29,2	27,8	ISO 536
Tensile strength [N/mm ²] - MD, not less than - TD, not less than	40 20		42 21		44 22		ISO 527-1, -3
Elongation at break [%] - MD, not less than - TD, not less than			600 700				
Puncture durability Dart Drop [g] - manual method of fixing the sample - pneumatic method of fixing the sample	350 110		410 150		530 180		ASTM D1709 A
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	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						
Sealing temperature range [°C]**	115-150						

* / Test made directly after extrusion

** / Sealing temperature range based on laboratory conditions. Right industrial sealing temperature choice depends on type of sealing electrode and packaging process speed.

Ability for overprint is checked with pen tester. Film is suitable to be printed when the layer of lotion getting dry and presents close area. In other case, film is not suitable to be printed. Activation level is guaranteed within 3 months since date of production.

On the other parameters listed in the above table manufacturer warranty for polypropylene film CPP-F a period of 6 months from the date indicated on the label winding.

IMPORTANT: Storage of the film under temperature below +15°C requires additional storage under further processing in temperature of 20°C for min. 24h. 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.

The technical parameters are based on laboratory tests and are for informative purposes only.
Provided parameters do not represent guaranteed parameters. Rollstockdepot reserves a right to amending the table.

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