Plastdurker

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Technical Data Sheet – PA/PE film and vacuum bags

Typical properties, processing and storage

Supplier	Plastdurker Kft. HU-1113 Budapest, Badacsonyi utca 13/A Tax no.: 12317011-2-43 · Company reg. no.: 01-09-665605
Product	**PA/PE film and vacuum bags** – co-extruded polyamide / polyethylene, transparent, non-shrink
Structure	PA – tie – LDPE (sealing and food-contact layer: LDPE)
Applications	Vacuum packaging of meat, cheese and other foods; chamber and external vacuum machines; cooking in the bag within the limits below
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Typical properties – film

Property	Unit	60 µm	65 µm	70 µm	80 µm	85 µm	90 µm	100 µm
Unit weight	g/m²	62.1	63.0	67.6	77.1	81.4	87.7	96.2
Yield	m²/kg	16.1	15.9	14.8	13.0	12.3	11.4	10.4
Slow-rate penetration resistance (inside → outside)	N	≥ 9	≥ 9	≥ 10	≥ 11	≥ 12	≥ 13	≥ 14
Seal initiation temperature (350 kPa, 1 s, 15 mm)	°C	≥ 120	≥ 120	≥ 125	≥ 125	≥ 130	≥ 130	≥ 130
Oxygen transmission (23 °C, 0% RH)	cm³/(m²·24 h)	< 91.7	< 91.7	< 83.0	< 78.7	< 78.7	< 70.0	< 58.0

Property (all thicknesses)	Unit	Typical value
Tensile strength MD / TD (10 mm specimens)	MPa	21–43 / 20–39
Elongation at break MD / TD	%	356–590 / 400–600
Water vapour transmission (38 °C, 90% RH)	g/(m²·24 h)	≤ 10
Coefficient of friction (ISO 8295)	–	< 0.25
Recommended sealing temperature (bags)	°C	120–140
Tolerances: thickness / unit weight / yield	%	± 8
Width tolerance (film)	mm	+1 / +3
Bag sizes (width × length)	mm	150–2000 × 150–2000, to order (± 2%)

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Cooking in the bag – validated time and temperature limits

In terms of food safety, the bags are validated for heating (e.g. sous-vide cooking, pasteurisation) within the limits below (OM2 conditions of Regulation (EU) No 10/2011):

Temperature (°C)	Maximum time (minutes)
70	120
75	85
80	60
85	42
90	30
95	21
100	15

Longer cooking times (for example 70 °C for 12–14 hours) and retort sterilisation (121 °C) are **not** validated for this product. For 121 °C, a PA/PP structure validated for up to 6 hours is available on request.

Packaging, storage and handling

- Packaging: bags in cartons lined with a PE bag; film rolls wrapped in PE; palletised and stretch-wrapped. Transport at max. 35 °C.
- Store in the original packaging in a dry, clean place between 10 °C and 25 °C (max. 30 °C) at 40–70% relative humidity, away from direct sunlight and heat sources. Do not stack pallets without a suitable barrier.
- Shelf life: bags 9 months from delivery; film 12 months (6–8 months for corona-treated film, 4 months for anti-fog film). Use the oldest stock first (FIFO).
- Keep at the processing site (10–30 °C) for at least 24 hours before use, or 48 hours if transported or stored below 10 °C.
- Traceability: by the product label on each box. Claims are accepted only when the label is presented.

Food contact and regulatory status

The product is suitable for food contact under Regulation (EC) No 1935/2004 and Regulation (EU) No 10/2011, and complies with the substance requirements of the Packaging and Packaging Waste Regulation (EU) 2025/40. Conditions of use, migration results and the PPWR statement are given in Declaration of Compliance **PD-DoC-PAPE-2026-10**.

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Note

The values above are typical values based on the manufacturer's data and our current knowledge. They are not a guaranteed specification. Because materials and processing conditions vary and are outside our control, we recommend trials before production use. Plastdurker Kft. accepts claims only for material in its original, unprocessed form, identified by the label of the roll or box.

Budapest, 02/10/2026

Plastdurker Kft.
Noémi Lévai-Kiss
Sales and Finance Manager

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Authorised signature and company stamp