Plastdurker

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Technical Data Sheet – PA/PP film and cook-in pouches

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/PP film and cook-in pouches** – co-extruded polyamide / polypropylene, transparent, corona-treated
Structure	PA – tie – PP (sealing and food-contact layer: PP)
Applications	Packaging of non-fatty foods that are heat-treated in the pouch (cooking, pasteurisation, sterilisation up to 121 °C)
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Typical properties – 90 µm

Property	Unit	Typical value	Method
Thickness	µm	90	ASTM D6988
Unit weight	g/m²	85.4	ASTM D646
Yield	m²/kg	11.7	ASTM D4321
Seal initiation temperature, untreated/untreated (350 kPa, 1 s)	°C	≥ 165	Internal method
Oxygen transmission (23 °C, 0% RH)	cm³/(m²·24 h)	≤ 250	Theoretical value
Water vapour transmission (38 °C, 90% RH)	g/(m²·24 h)	≤ 10	Theoretical value
Coefficient of friction treated/treated · untreated/untreated	–	≤ 0.50 · ≤ 0.70	ASTM D1894
Surface treatment / surface tension (treated side)	mN/m	Corona / ≥ 38	ASTM D2578
Tolerances: thickness / unit weight / yield	%	± 8	–
Width tolerance (film)	mm	+1 / +3	–
Standard pouch sizes (width × length)	mm	150 × 200 · 200 × 300 · 250 × 350 · 300 × 400	–

Heat treatment in the pouch

- Maximum temperature 121 °C. Recommended maximum at 121 °C: **4 hours** (pouch performance); migration validated up to 6 hours.
- Not suitable for fatty foods (fats and oils, foods in oil, fatty sauces, nut pastes). Microwave heating and long low-temperature cooking (e.g. 70 °C for 12–14 hours) are not validated.
- Seal on the PP side. Because of the high seal initiation temperature, check seal strength after the heat treatment during trials.

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Packaging, storage and handling

- Store in the original packaging in a dry, clean place between 10 °C and 25 °C at 40–70% relative humidity, away from direct sunlight and heat sources. Do not stack pallets without a suitable barrier.
- Shelf life: pouches 12 months; corona-treated film 6–8 months. Use the oldest stock first (FIFO).
- Keep at the processing site for at least 24 hours before use. Do not open outer packaging with sharp tools.

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-PAPP-2026-10**.

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