



Product Specification

Flat Pouch – Biobased Ben

Version: 01/2026 - References: P-TS-0501 | P-TS-0504

PRODUCT INFORMATION

Material Structure: PAP/PLA

Layout: Tear notches, Round corners

Available Add-ons: PLA standard zipper; Euro hole

Thickness of material: 100µm ± 11% (Adhesive & printing included)

Bond Strength: >1.2N/15mm ± 10%

Sealing Strength: >10N/15 mm

Heat Seal Range*: 120 – 170 °C

Printing Method: Flexo print; Digital print; color variations limited to < 3 ΔE

*The heat seal range can vary according to specific pressure and speed of your sealing device

PROTECTION PROPERTIES

Property	Value	Test Method
WVTR (23°C, 85% RH)	<500g/m ² *24h	DIN EN ISO 15106-3
OTR (23°C, 50% RH)	<1705cm ³ /m ² *24h	ASTM F 1927
UV (UV-A,-B,-C; 200-380 nm)	0.5%	UV spectroscopy

SUSTAINABILITY

FSC® certified paper | Bio-based plastic | Solvent free | BPA free | Water based varnish

RECYCLING CODE



Find information about the recycling in our [waste management guideline](#).

CERTIFICATES



REGULATION & QUALITY

The pouches are manufactured under conditions following the standards ISO 9001 & BRCGS. The material is MOSH & MOAH free and include a barrier to prevent their migration into food.

Please note that dark printing inks may cause the colours in the sealing area to lighten, due to the heat sensitivity of the digital ink pigments.

The quality of the pouches is thoroughly inspected at Packiro. Each pouch undergoes rigorous stress tests, including drop and leakage assessments. The zipper functionality is also tested, along with the ease of opening for pocket zippers. If needed, you can request a test report from your Packiro sales representative.

NOT SUITABLE FOR

Product containing essential oil | storage in freezer | microwave | oven | sterilisation | pasteurisation | vacuuming | overfilling | overloading | sharp-edged or spiky-shaped products | Automatic filling machine

Please check yourself for usability for your product and shelf life, also considering the filling of the pouch, storage and shipping.

STORAGE CONDITIONS

The following storage conditions must be observed: 5-25°C; 30-80% relative humidity in a dust-free, dry environment protected from direct sunlight, in original packaging.

Precondition before processing: 24 hours to the specified storage conditions.

AVAILABLE SIZES

Size	XXS	XS	S	M	L	XL	XXL
Dimensions WxHxD in mm*	85x100 mm	85x150 mm	100x160 mm	120x190 mm	160x230 mm	190x270 mm	/
Volume indication**	15ml	60ml	75ml	180ml	600ml	950ml	/
Maximum Filling***	15g	60g	75g	200g	300g	300g	/
Packaging weight in g	1.46g	2.45	3.09g	4.39g	7.08g	9.83g	/
Opening diameter	Ø 45 mm	Ø 45 mm	Ø 54 mm	Ø 67 mm	Ø 92 mm	Ø 111 mm	/

*Dimensions of the pouch and its elements are subject to a production-related tolerance of up to +/- 2 mm.

** The volume is only an indication to show the extent of the pouch on the inside. It was tested with water inside the pouch till the zipper or till the tear notch in case of XXS. We recommend testing the filling with your product and do not fill the pouch till the limit to avoid bursting. Filling the pouch with water is not recommended as the material cannot hold liquids.

*** The maximum weight indicates the limit used during drop testing, which was conducted using sugar. Please test the pouch with your specific product to ensure it meets your requirements.