

SULAPAC FLOW 1.7 FOR STRAWS

Sulapac Flow 1.7 is a sustainable extrusion material with outstanding functional properties and natural look and feel ideal for thin-walled structures like straws.

Sulapac Flow 1.7 is safe for both people and the planet: It contains 72% USDA certified biobased content. The main components are wood from industrial side streams and bio-based, biodegradable biopolymers.

The material is industrially compostable¹ according to BPI (ASTM D6400) and Seedling (EN 13432) and leaves no permanent microplastic or toxic load behind⁴. Sulapac Flow 1.7 meets the EU and US FDA requirements for food contact materials⁵.



Straws made of Flow 1.7 have been tested to last 24 hours without getting soggy.

Find the technical details on:

sulapac.com/straw

SULAPAC

Sustainable. Beautiful. Functional.

Designed like nature

Sulapac[®] material for Straws

SULAPAC



Safe for people and the planet

No permanent
microplastics
or toxic load⁴

Using Sulapac flow 1.7 you can create straws with

SUPERIOR USER EXPERIENCE

- Non-soggy
- Safe to use without risk of hurting your teeth
- Natural look and feel

EXCELLENT SUSTAINABILITY FEATURES

- Biobased
- Sustainably sourced³

The material is also certified industrially compostable¹ and is recyclable by design²

Sulapac Flow 1.7 ensures

EFFORTLESS MANUFACTURING

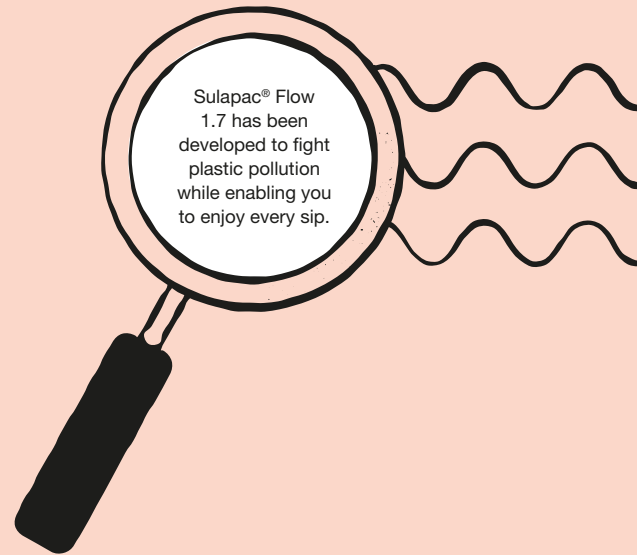
- Excellent processability
- Designed for existing extrusion machinery
- First-class technical support available

SUSTAINABLE AT SCALE

Sulapac Flow 1.7 has excellent processability and is designed for mass-production with existing extrusion machinery. No extra steps needed in the converting process compared to conventional plastic.

FIGHTING THE PLASTIC POLLUTION

Straws and other single-use items account for a major part of plastic pollution in the oceans. Sulapac Flow 1.7 material has been developed to reduce the accumulation of plastic waste and microplastics in the marine environment. If a straw made of Sulapac Flow 1.7 accidentally ends up in the ocean, it biodegrades into CO₂, water, and biomass without having ecotoxic impacts on the environment⁴.



MATERIALS DESIGNED LIKE NATURE

Sulapac helps companies world-wide to replace conventional plastic with sustainable materials that are beautiful and functional. Like nature.

Sulapac materials are based on renewable resources, they are both recyclable and compostable, and perform as well as conventional plastic both in terms of usability and processability. Their carbon footprint is low.

Sulapac materials and products have already been adopted by numerous brands and converters in Europe, the US, Canada, and Asia. Join the forerunners and start building a cleaner future today!

SULAPAC STRAWS NOW IN ST. REGIS, FOUR SEASONS RESORT AND CAESAR'S PALACE

Luxury hotels **St. Regis**, **Four Seasons Resort** and **Caesar's Palace** in Dubai have chosen premium sustainable Sulapac straws that don't get soggy supplied by **Bird Collaborative**.

"We all need to focus on sustainability. Using alternatives to conventional plastic for everyday products are an easy starting point." - Raja Zeidan, General manager at St. Regis Downtown Dubai

"We are really proud of our partnership with Sulapac, they offer the best alternatives to traditional plastic backed by science and sustainable innovation." - Nabil Mhanna, Founder at BIRD Collective



UNIQUE COMBINATION OF FEATURES

See how Sulapac material performs in comparison with the main competitors.

	SULAPAC	Paper	Bamboo	Glass	Steel	PLA	Plastic
USER EXPERIENCE							
Non-soggy	● Yes	● No	● Yes	● Yes	● Yes	● Yes	● Yes
Natural look and feel	● Yes	● Yes	● Yes	● No	● No	● No	● No
Safe to use without risk of hurting your teeth	● Yes	● Yes	● Yes	● No	● No	● Yes	● Yes
SUSTAINABILITY							
Bio-based	● Yes	● Yes	● Yes	● No	● No	● Yes	● No
Safe for people and planet	● Yes	● No	● Ok	● Ok	● Ok	● Yes	● No
Industrially compostable	● Yes	● Ok	● Yes	● No	● No	● Yes	● No
Reduces plastic pollution	● Yes	● Ok	● Yes	● Yes	● Yes	● Ok	● No
MANUFACTURING EXCELLENCE							
Investment in new machinery	● Low	● High	● High	● High	● High	● Low	● Low
Mass production capability	● Good	● Ok	● Low	● Low	● Low	● Good	● Good
Competitive price	● Ok	● Ok	● Ok	● No	● No	● Ok	● Yes

Learn about the scientific background at: sulapac.com/key-features/

Please note that since environmental regulations and applied standards differ between regions, manufacturers are solely responsible for the claims related to the final products manufactured out of Sulapac.

Contact our experts for relevant documentation and assistance with testing and validation, for example with compostability certificates.

sulapac.com/contact



¹ Compostability certification for Sulapac Flow 1.7 material up to thickness of 910 µm.

² Mechanical and chemical recyclability have been tested and proven technically feasible by a third-party industrial company. Field tests have also verified that Sulapac materials can be collected and sorted out of a mixed waste stream. When collected together, Sulapac materials do not interfere with the current mechanical recycling of conventional fossil-based or biobased non-biodegradable plastics. The technology for mechanical and chemical recycling of biobased biodegradable materials exists, but the infrastructure is still under development.

³ Wood in Flow 1.7 originates from non-controversially harvested Nordic forests. We always follow our strict Policy for Sustainable Sourcing.

⁴ Sulapac Flow 1.7 material shows relative biodegradation of 75,5% in 420 days in simulated marine environment test (ASTM D6691, 86°F/30°C) using natural seawater. Not considered biodegradable in California. Ecotoxicity and threshold values for heavy metals tested according to EN 13432. No ecotoxic impacts based on Daphnia magna plankton toxicity tests (OPPTS 850.1010 & OECD 202). Straw made of Sulapac Flow 1.7 has been tested for per- and polyfluoroalkyl substances (PFAS) by an independent laboratory (ISO/IEC 17025 certified) based on CEN/TS 15968 test method; No PFAS compounds were detected.

⁵ Restrictions and specifications of use apply, please refer to relevant Declaration of Compliance for further information.