

Technical Data Sheet

Filafarm TruePLA Neon

Description

TruePLA Neon is made from an environmentally friendly biopolymer that exhibits excellent mechanical properties. The material is characterized by good impact resistance and minimal warping. It is ideal for industrial applications, rapid prototyping, architecture, food packaging, toys, and more. The raw material is biodegradable (EN13432) and complies with REACH, RoHS, and FDA standards, making it suitable for a variety of applications.

Properties

Print Settings

Material	PLA (Polylactic Acid)
Weight	1000g / 1200g - without/with spool
Diameter	1,75mm
Tolerance	<0,02mm
Printing temp.	Nozzle 195-220°C / Printbed 0-60°C
Temp. distance	approx. 55°C
Storage	At roomtemp, approx. 2 years

Recommended configurations for printers with a nozzle size of 0.4 mm: Maximum layer height of 50%. The optimal settings may vary depending on the printer and are additionally influenced by environmental conditions.

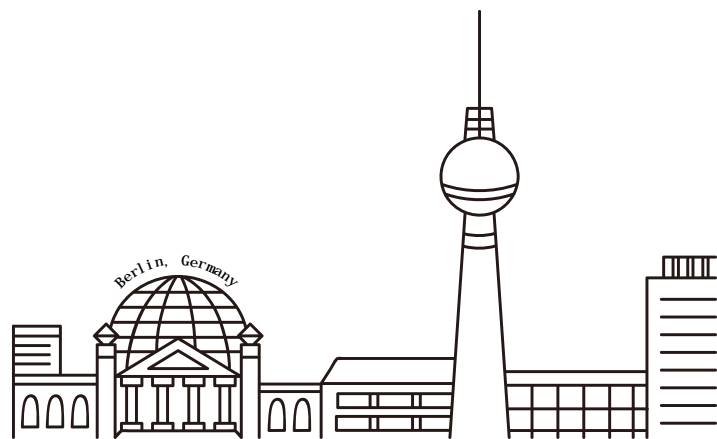
Test	Value
Density	1.25g/cm ³
Tensile E-Modulus	3200MPa
Tensile strength	55MPa
Melting temp.	200-210°C
VICAT A (VST)	75°C

Storage & Durability

Storage at room temperature (18-27°C / 65-80°F) in a dry place. Avoid direct heat or sunlight exposure. When stored correctly, the material remains usable for up to 2 years.

Certification & Special features

- FDA-, REACH-, RoHS compliant
- Biodegradable (EN13432)
- Silicone-free
- Toy-compliant



Information sheet

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Food Contact - EU Regulation

This product complies with the requirements of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food, as well as the provisions repealing Directives 80/590/EEC and 89/109/EEC. This regulation was published in the Official Journal of the European Union L 338/4 on 13 November 2004 and amended by Annex No. 5.17 of Regulation (EC) No. 596/2009 of 18 June 2009, published in the Official Journal of the European Union L 188 on 18 July 2009, Article 3.

Furthermore, the product meets the requirements of the German Food, Consumer Goods and Feed Code (LFGB) as promulgated on 3 June 2013 (Federal Law Gazette I p. 1426), last amended by Article 4 § 20 of the Act of 7 August 2013 (Federal Law Gazette I p. 3154), particularly §§ 30 and 31.

The product also complies with the provisions of the Consumer Goods Ordinance as promulgated on 23 December 1997 (Federal Law Gazette 1998 I p. 5), last amended by Article 1 of the Ordinance of 24 June 2013 (Federal Law Gazette I p. 1682).

The composition of the product complies with Regulation (EU) No. 10/2011 of the Commission of 14 January 2011 on plastic materials and articles intended to come into contact with food, published in the Official Journal of the European Union L 12/1 on 15 January 2011. This regulation was last amended by Commission Regulation (EU) No. 2016/1416 of 24 August 2016, published in the Official Journal of the European Union L 230/22 on 25 August 2016, and by Commission Regulation (EU) No. 2017/752 of 28 April 2017, published in the Official Journal of the European Union L 113/18 on 29 April 2017.

Additionally, the product meets the requirements of the FDA (U.S. Food and Drug Administration) according to 21 CFR (U.S. Code of Federal Regulations) and is suitable for contact with all types of food in categories "I" to "IX" as defined in Table 1 of section 176.170(c) (excluding infant formula, breast milk, and alcoholic foods), as well as for use conditions "B" through "H," as described in Table 2 of section 176.170(c).

REACH & ECHA

The material does not contain any substances classified as Substances of Very High Concern (SVHC) on the REACH Candidate List by ECHA dated July 7, 2017, in concentrations exceeding 0.1%.

Limitation of Liability

Please note that this product has not been tested for residues of the aforementioned substances or those listed in the regulations. However, based on the information provided by our upstream suppliers, there is no reason to believe that these substances are present in the product. The stated values were determined on standardized test specimens under standardized temperature and humidity conditions and should be regarded as reference values only. Under certain circumstances, processing conditions can significantly affect the properties.

Filafarm GmbH & Co KG accepts no liability for the use of this information or any mentioned product, process, or tool. Customers are responsible for ensuring that this product is suitable for their specific purposes and that the health and safety of themselves, their customers, users, and the environment are assured. No warranty of merchantability or fitness for any particular purpose is given, and nothing in this document supersedes the seller's terms and conditions of sale.

