

Technical Data Sheet



ReForm rPLA

Print date: 30-06-2022

Version: 1.0

Product specifications

ReForm rPLA is likely to be the most sustainable PLA filament on the market.

This filament is completely made from renewed materials. There are no virgin fossil- or virgin natural resources used to make this PLA filament. The most used polymer in 3D printing is now available in a far more sustainable filament option. ReForm rPLA comes in a range of deep colors. The formulation of ReForm rPLA is exactly the same as our EasyFil PLA. A proven formulation for printability and high quality 3D printing.

Important key features

- High-end, sustainable and affordable PLA.
- Excellent printability properties.
- Made from renewed materials only
 - No virgin fossil materials or virgin natural materials used.

Suitable applications

- Hobby.
- Prototyping.
- 3D printing end-use products.

Property	Test Method	ReForm rPLA Typical value	EasyFil PLA Typical value
Specific gravity	ISO 1183	1,24 g/cc	1,24 g/cc
MFI 210°C / 2,16kg	ISO 1133	11 g/10min	9,56 gr/10 min
Tensile strength at yield	ISO 527	63 MPa	66 MPa
Tensile strength at break	ISO 527	54 MPa	56 MPa
Elongation strain at break	ISO 527	4%	2,3%
Tensile (E) modulus	ISO 527	3251 MPa	3027 MPa
Impact strength Charpy method 23°C	ISO 179	2,2 kJ/m ²	3,4 kJ/m ²

Additional information

ReForm rPLA filament is made up entirely from recycled post-industrial PLA content sourced from the waste streams that arise during the extrusion or FormFutura EasyFil PLA filaments. Because of its high recycled content, ReForm rPLA filament is not made from a virgin natural PLA compound, but from a homogeneous compound made from a wide variety of colors from collected filament extrusion waste. Homogeneous compound runs can vary in color intensity. This may result in lighter or darker 3D printing filament colors extruded from various homogeneous compound runs. On average two to three homogeneous compound runs are made per year.

ReForm rPLA White and Black will always have the same color, as extrusion waste from black and white PLA filament is collected separately.

Product export information

HS Code	Description	Country of origin
39169090	Monofilament for 3D Printing	The Netherlands

Disclaimer

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