

# TECHNICAL DATA SHEET

## ReForm - rPET

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### Product specifications

ReForm rPET is likely to be the most sustainable PETG-based filament on the market. This sustainable PETG filament comes in a wide range of colors and combines strength and toughness with printability.

Moisture absorption: <0,2%

### Important key features

Cost-effective alternative  
consistent quality  
Supports sustainability

### Suitable applications

Heavy industry  
Sustainable parts

### Recommended pretreatment

#### Drying

Required  
45 - 60 °C  
12 h

#### Print with

Enclosure	Yes
Dry box	Yes

### Recommended print settings regular speed

Print speed	25 - 120 mm/s
Nozzle temperature	230 - 255 °C
Bed temperature	60 - 80 °C
Fan speed	0 - 50 %

### Material properties

	Typical value	Unit of Measure	Test method	Test condition
Density				
Specific gravity	1,23	g/cm3	ISO D505	
Melt flow rate				

### Mechanical properties

Impact strenght	101	J/m	ISO D256	Izod notched 23°C
Tensile strenght at yield	52	MPa	ISO D882	
Tensile strenght at break	59	MPa	ISO D882	
Tensile modulus				
Elongation at yield	4	%	ISO D882	
Elongation at break	400	%	ISO D882	
Flexural strenght	68	MPa	ISO 178	
Flexural modulus	2000	MPa	ISO 178	
Rockwell hardness				

### Thermal properties

Melting temperature				
Heat deflection temperature	70	°C	ISO D648	HDT A
Vicat softening temperature				
Glass transition temperature				

### Product export information

#### HS code

39169090

#### Description

Monofilament for 3D printing

#### Origin

European Union

### Disclaimer

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