

# TECHNICAL DATA SHEET

## ReForm - rApollo

Date of issue: 28-3-2022

Date of update: 23-8-2024

### Product specifications

ReForm rApollo is likely to be the most sustainable ASA-based filament on the market. This filament is UV- and weather resistant and combines printability with a high impact strength and good heat resistance.

Flammability rating: UL94 HB

### Important key features

Sustainable solution  
Consistent performance  
UV- and weather resistant

### Suitable applications

Outdoor applications  
Mechanical parts

### Recommended pretreatment

**Drying**  
Recommended  
45 - 60 °C  
12 h

**Print with**  
Enclosure Yes  
Dry box No

### Recommended print settings regular speed

Print speed 25 - 120 mm/s  
Nozzle temperature 230 - 270 °C  
Bed temperature 60 - 80 °C  
Fan speed 0 - 50 %

Material properties	Typical value	Unit of Measure	Test method	Test condition
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Density				
Specific gravity	1,07	g/cm <sup>3</sup>	ASTM D792	
Melt flow rate	5	g/10min	ASTM D1238	220°C/10kg

### Mechanical properties

Impact strenght	435	J/m	ASTM D256	Izod notched 23°C
Tensile strenght at yield	42	MPa	ASTM D638	
Tensile strenght at break				
Tensile modulus	1800	MPa	ASTM D638	
Elongation at yield				
Elongation at break	35	%	ASTM D638	
Flexural strenght	64	MPa	ASTM D790	
Flexural modulus	1900	MPa	ASTM D790	
Rockwell hardness				

### Thermal properties

Melting temperature				
Heat deflection temperature	86	°C	ASTM D648	HDT A
Vicat softening temperature	94	°C	ASTM D1525	
Glass transition temperature				

### Product export information

HS code	Description	Origin
39169090	Monofilament for 3D printing	European Union

### Disclaimer

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