

PrintaMent PURE

DATASHEET

Description

PURE from AprintaPro was designed as an easy to print material with a unique matt surface. Based on PrintaMent PLA it offers the same high quality and is as easy to print. The finished print has a rough surface. Ideal for decorative elements such as vases. It offers a great layer adhesion and minimizes the visibility of separate layers.

Features

- Easy to print
- Very low warping
- Biodegradable
- Recommended nozzle $\geq 0,5\text{mm}$

Colors

White – red – green - blue

Additional Info

Due to its low tendency to warp PURE can also be printed without a heated bed. If you have a heated bed the recommended temperature is $\pm 35\text{-}60^\circ\text{C}$. We advise a nozzle $\geq 0,5\text{mm}$. PURE can be used on all common desktop FDM or FFF technology 3D printers. Storage: Cool and dry ($15\text{-}25^\circ\text{C}$) and away from UV light. This enhances the shelf life significantly.

Technical Data

Dimensions

Size	Tolerance	Roundness
$\varnothing 1,75\text{mm}$	$\pm 0,05\text{mm}$	$>95\%$
$\varnothing 2,85\text{mm}$	$\pm 0,10\text{mm}$	$>95\%$

Physical Properties

Description	Typical Value
Specific gravity	1,18 g/cc
MFR 220 °C	5,0 g/10 min
Tensile strength	70 MPa (MD) 100 MPa (TD)
Strain at break	170% (MD) 110% (TD)
Tensile modulus (1mm/min)	1900 MPa (MD) 2300 Mpa (TD)
Impact strength Charpy method 23 °C	7,0 KJ/m2

Thermal Properties

Size	Roundness
Printing temp.	190-220 °C
Melting temp.	150 °C
vicat softening temp.	45 °C