

Technical Data Sheet

Chemical Name:

Polyvinyl Alcohol

Main Applications:

Concept modeling, Educational projects, Design projects, Water-soluble support structures to achieve complex geometries.

Description:

A filament specifically created to use as a support material for hard-to-print objects. It is mainly used in conjunction with PLA, though it can be used with other materials.

Key Aspects:

The material is dissolvable in water, and enables you to easily print objects that would not be possible by other methods. As the material is sensitive to moisture, it must be stored in airtight containers. For dual-printing sessions, cool-down of the extruder is recommended whilst not in use.

Diameter:

1.75 mm, 2.85 mm

Meters per 750 g:

114.577 / 43.200

Weight

350 g

Weight per meter:

3.05 / 8.10 g

Density:

1.27

Meters per kg:

327.363 / 123.429

Color Information:

Color:

Natural

PANTONE:

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Printing Settings

Printing Temperature	180 - 205 °C
Density (g/cc)	1.27
Build Plate Temperature	Optional 50 - 60 °C
Cooling Fans	YES

Mechanical Properties

Value

Melt flow index (190°C, 21.6kg)	14-20
Melting temperature °C	170
Glass transition temperature °C	60
Bulk density (g/cm³)	0.6-0.9
Volatiles content (wt.%)	<1
Methanol content (wt.%)	<1

Disclaimer:

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