

## High-Flow PVA for Large Scale

Catlog Number: SSM-0029

### • Description

High-melt-flow PVA optimized for large-format 3D printers and high-speed extrusion, ensuring reliable support for massive geometries.

### • Basic Information

Base Material: Modified PVA

Solubility Method: Water

Solvent Type: Warm Water

Heat Deflection Temp (0.45MPa): 62

Glass Transition Temp (Tg): 82

Melting Point (°C): 180

Density (g/cm<sup>3</sup>): 1.27

Water Absorption (%): 25

Tensile Strength (MPa): 30

Tensile Modulus (MPa): 1400

Elongation at Break (%): 350

Flexural Strength (MPa): 42

Flexural Modulus (MPa): 1100

Printing Temp (°C): 195-225

Bed Temp (°C): 50-70

Chamber Temp (°C): -

Fan Speed (%): 100

Nozzle Type: Brass

Layer Height (mm): 0.3

Shrinkage Rate (%): 0.5

Continuous Use Temp (°C): 50

Impact Strength (kJ/m<sup>2</sup>): 7.5

Flame Retardancy (UL94): HB

Surface Resistivity (Ω): 10<sup>14</sup>

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