

Plastics App 3D™

Performance Filaments

March 19

Ver. 1

Technical Data Sheet

Perform✓U90 is a thermoplastic Polyurethane performance filament designed to work on FFF printers.

Perform✓U90 shows excellent chemical resistance and durability while maintaining flexibility over a wide range of temperatures.

Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	2.85/1.75
Shore Hardness	ISO 7619	Shore A	90
Density	ISO 1183	gr/cm3	1.22
Tensile Strength	ISO 527	MPa	47
Elongation @ Break	ISO 527	%	550

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	250
Plate Temp.	°C	70
Cooling	-	On
Speed	mm/sec	30
Retraction	mm	>10
Drying	°C, hr	80, 3

Disclaimer:

Typical properties and recommendations should be regarded as guideline values and not specifications. It is on the user responsibility to carefully evaluate the suitability of the material and its properties to the application