

Plastics App 3D™

Performance Filaments

March 19

Ver. 0

Technical Data Sheet

Perform✓U70 is an extremely soft flexible thermoplastic Polyurethane performance filament designed to work on FFF printers.

Perform✓U70 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
Shore Hardness	ISO 7619	Shore A	70
Density	ISO 1183	gr/cm3	1.06
Tensile Strength	DIN 53504	MPa	26.8
Elongation @ Break	DIN 53504	%	794

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	220
Plate Temp.	°C	40
Cooling	-	On
Speed	mm/sec	30
Retraction	mm	>2
Drying	°C, min	80, 180

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