Plastics App™
Advanced Plastics Performance

Perform✔U70
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	1.75 / 2.85
Shore Hardness	ISO 7619	Shore A	70
Density	ISO 1183	gr/cm3	1.06
Tensile Strength	DIN 53504	MPa	26.8
Elongation	DIN 53504	%	794

* The above are typical properties for a printed specimen

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	˚C	235-255
Plate Temp.	˚C	40
Cooling	-	On
Print Speed	mm/sec	15-25
Retraction (Bowden)*	mm	>2
Retraction (Direct)*	mm	1.5±0.5
Drying	C	80, 3

* For flexible materials it's recommended to use as low retraction as model permits

◝ Perform✔U70 adheres well when using glue stick on a heated glass plate.

◝ For flexible materials such as Perform✔U70 it's recommended to use a 0.8mm nozzle or larger.

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