

## **Perform ✓ U95ECO**

### Technical Data Sheet

- ✓ Perform ✓ U95ECO is a Sustainable, Plant Based, thermoplastic Polyester Polyurethane performance filament designed to work on FFF printers.
- ✓ Perform ✓ U95ECO has a broad printing window and performs with excellent chemical resistance, durability & 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	95
Density	ISO 1183	gr/cm <sup>3</sup>	1.22
Tensile Strength	ISO 527	MPa	40
Elongation	ISO 527	%	385

\* The above are typical properties for a printed specimen

### Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	210±10
Plate Temp.	°C	60
Cooling	-	On, 20%
Print Speed	mm/sec	15-40
Retraction*	mm	>10
Drying	°C, hr	70, 2

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

Perform ✓ U95ECO adheres well when using glue stick on a heated glass plate.

For flexible materials such as Perform ✓ U95ECO 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