



- Perform A12-ESD is a high performance ESD safe Polyamide 12 (Nylon 12) filament designed to work on FFF printers for the realization of functional, electrically conductive parts
- Perform A12-ESD has great balance between conductivity & functional properties

Typical Properties

Property	Test Method	Unit	Typ. Value
Nominal Diameter	-	mm	1.75 / 2.85
Density	ISO 1183	gr/cm ³	1.11
Tensile Modulus	ISO 527	MPa	2100
Tensile Strength	ISO 527	MPa	40
Flexural Strength	ISO 178	MPa	70
N. Izod Impact	ASTM D256	J/m	30
Surface Resistivity	ASTM D257	Ohm/sq	10 ⁶
HDT @ 0.45 MPa	ISO 75	°C	120

* The above are typical properties for a printed specimen

Recommended Settings

Parameter	Unit	Set Value
Nozzle Temp.	°C	270-295
Plate Temp.	°C	90-110
Cooling	-	On, low
Print Speed	mm/sec	30-80
Retraction (Bowden)	mm	>7
Retraction (Direct)	mm	1.5±0.5
Drying	°C, hr	80, 4

- Perform A12-ESD adheres well when using Glass or PEI surfaces with PA adhesive (washable purple stice)