PETG TDS

AzureFilm PETG (Copolyester) for FDM 3D Printers

Product Description

AzureFilm PETG (Copolyester) filament is a plastic thread that combines the properties of the ABS filament (solid, temperature-resistant, extremely durable, flexible) and the PLA filament (easy to print). Because of these properties, PETG is a filament material for 3D printing that you must have.

Properties

Property of 3D printed specimens	Test method	Value
Material	**Copolyester**	Color Transparent
Specific Density	ASTM D-792	1,29 g/cm3
Tensile Yield Stress	ISO 527-2	51 MPa
Tensile Modulus	ISO 527-2	2980 MPa
Tensile Stress at Break	ISO 527-2	20 MPa
Elongation at yield	ISO 527-2	4%
Elongation at break	ISO 527-2	29%
Flexural Modulus	ISO 178	2040 MPa
Flexural Strength	ISO 178	68 MPa

Test specimens print settings

3D printer: AzureFilm
Slicer: Cura
Nozzle: 0,4 mm

Infill: 100 %
Shells: /
Layer height: 0,2 mm

Nozzle temperature: 230 °C
Bed temperature: 80-90 °C
Print speed: 50 mm/s

Printing Recommendations

Nozzle temperature: 220 – 230°C
Heated bed: recommended 80-90 °C
Print speed: 50 – 200 mm/s
Build platform: Blue tape, Kapton tape. Recommended: Glass bed + Dimafix spray