

Huracan PLA

MATERIAL PROPERTIES

Specific Gravity	1.22 g/cm ³	D 792
MFR	15 g/10 min	D 1238
Mechanical Properties*		ASTM Method
Tensile Strength	42 MPa	D 638
Tensile Modulus	2950 MPa	D 638
Flexural Strength	75 MPa	D 790
Flexural Modulus	2500 MPa	D 790
Notched Izod Impact [crystalline]	240 J/m	D 256
Thermal properties		
Heat Distortion Temperature*	80°C	E 2092
Glass Transition Temperature	55-60°C	D 3418

* annealed

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	190 - 230°C
Bed temperature	0 - 45°C
Active cooling fan	YES (up to 100%)
Layer height**	0.05 - 0.30 mm
Shell thickness**	0.40 - 2.70 mm
Print speed**	40 - 350 mm/s
Closed chamber	not necessary
Dry box	not necessary
Ruby or hardened nozzle	not necessary

* settings are based on a 0.4 mm nozzle.

** depending on the geometrical complexity

DESCRIPTION

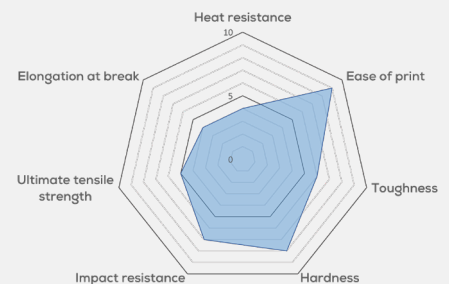
Huracan PLA is an innovative filament designed for high speed 3D printing (up to 350mm/s), which combines incredible printing speed with unique mechanical and thermal (post-annealed) properties. This material is characterized by exceptional efficiency and quality, making it ideal for a wide range of applications.

FEAUTURES

- High flow rate enabling fast printing (up to 350 mm/s)
- Easy to print
- Better mechanical and thermal strength after annealing
- High strength comparable to ABS
- Increased temperature resistance after annealing

STORAGE AND SHELF LIFE

Filament should be stored in a dry room at room temperature. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months.



SUPPORT

If you have any questions or experience any issues, please do not hesitate to contact us at support@spectrumfilaments.com