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Pearl PLA 3D Filament Data Sheet

Poly lactide and Polyester Blend

Pearl is a high gloss PLA and polyester blend filament designed to produce high quality models with a silky pearl finish. Due to the added polyester, it is much less brittle than PLA. Pearl also maintains several of PLA's unique and desirable printing qualities such as low odor, high detail and low warpage. It does not require a heated bed to be printed, although when printing without one the use of a raft is recommended.

Material Production Specifications	
Nominal Outer Diameter, mm	1.75/2.88
OD Tolerance, mm	±0.08
Ovality, mm	< 0.001

[1] Ovality is defined as the difference between the smallest and largest outer diameters

Applications

- Fine detail prints
- General purpose 3D printing
- Applications where high rigidity is required

Recommended Printer Settings

- Extruder Temperature: 230-250 °C
- Bed Temperature: 70-90 °C
- Printing Speed: 50-100 mm/s
- Bed Adhesion: Hair Spray or PVA Glue

Additional Information

- Standard Sizes Available: 1.75/2.88mm
- Spool Weight: 1kg., 1lb., 5lb., and 10lb
- Custom packaging methods available upon request
- All filaments are sealed with desiccants

Regulatory Compliance

- RoHS
- REACH
- FDA
- California Proposition 65

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