



# ePLA

## Description

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An engineering-grade PLA filament, with performance comparable to ABS. Features a heat resistance of 95°C< (after annealing) and the ability to print at speeds up to 120mm/s. ePLA gives a semi-matte finish.

		Test Method	Typical Value
<i>Physical Properties</i>	<b>Specific Gravity</b>	ISO 1183	1.27g/cc

		Test Method	Typical Value
<i>Mechanical Properties</i>	<b>Impact Strength</b>	ISO 179	23 kJ/m2
	<b>Tensile Strength</b>	ISO 527	40 MPa
	<b>MFR 210°C/2,16 kg</b>	ISO 1133	6 g/10 min*
	<b>Elongation at break</b>	ISO 527	47%
	<b>Melting temp.</b>		205±15°C
	<b>Heat Deflection temp. (B) (after annealing)</b>	ISO 75	95°C+**
	<b>Tensile modulus</b>	ISO 527	4000 MPa

		Test Method	Typical Value
<i>Thermal Properties</i>	<b>Printing Temperature</b>	Filamentive	230±10°C based on speed

	Diameter	Tolerance	Roundness
<i>Filament Specifications</i>	<b>1.75mm</b>	± 0.05mm	>95%
	<b>2.85mm</b>	± 0.05mm	>95%