

PLA 3100 Filament

PLA (Polylactide) is available in an array of colors and prints on any open platform including Ultimaker S5, Ultimaker 3, Raise3D, Makerbot Method and Taz platforms.

tooling with low thermal requirements.

ADVANTAGES

industry standard , resulting in more consistent, better quality prints.

STORAGE AND USE

and retain small amounts of moisture from the atmosphere improving visual filament in a dry environment. If necessary, dry filament in an oven at up to

PROPERTIES

MECHANICAL PROPERTIES¹

Tensile Modulus (MPa)	XY coupons, Ambient		ASTM D638, Type I
Tensile Elongation at Break (%)	XY coupons, Ambient	6	ASTM D638, Type I
Ultimate Tensile Strength (MPa)	XY coupons, Ambient		ASTM D638, Type I
	XY coupons, Ambient	2850	ASTM D790
	XY coupons, Ambient	83	ASTM D790
	XY coupons, Ambient	>5	ASTM D790
Izod Impact, Notched (J/m)	XY coupons, Ambient	31	ASTM D256
Izod Impact, Un-notched (J/m)	XY coupons, Ambient	207	ASTM D256

¹Testing conducted on bars printed on an Ultimaker S5 using the Cura marketplace profile. Typical values are for reference only.

THERMAL PROPERTIES

Heat Deflection Temperature (°C)		55	DMA
Glass Transition Temperature (°C)	20°C/min ramp	57	DSC
Melt Temperature (°C)	20°C/min ramp	155	DMA

OTHER PHYSICAL PROPERTIES

Density (g/cm ³)	Ambient		ASTM D792
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DIMENSIONAL PROPERTIES

	In-line, 100% inspection	1.75±0.03 2.85±0.03	ASTM D792
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