

## TECHNICAL DATE SHEET

PLA

BASE MATERIAL: Polylactic acid

### PROPERTIES

	PROPERTIES	VALUE	METOD AND CONDICTION
PHYSICAL & MECHANICAL	Density	1,24 g/cm3	D792
	Hardness/ Flexure Modulus	3,8 Mpa	D790
	Tensile strength	53 Mpa	D882
	Tensile Modulus	3,6 Mpa	D882
	Tensile Elongation	6%	D882
THERMAL	Melting point	135°C	D1003
	Heat Deflection Temperature	55°C	E2092
	Viscat Softening Temperature	55-60°C	D3418
	<b>Flammability:</b>		
	Burging Rate	ND	
	Flame Rating	ND	

### SUGGESTED PRINTER SETTING

	VALUE	UNIT
Extruder Temperature	170 – 210	°C
Print Speed	40 – 120	mm/sec
Bed Material	0 – 50	°C

### PRODUCT DETAILS & CERTIFICATION

Diameter	1,75 mm 2,85 mm	Tollerance ± 0,05mm Tollerance ± 0,10mm
REACH compliant		ND
FDA compliant		ND
ROHS certified		ND

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