



Technical Datasheet

Product Name: **PLA**

Description: Polylactide (PLA.) Polymer for 3D printer			
Property	Method	unit	Value
PHISICAL			
Density	ISO 1183-1	g/cm ³	1,24
Melt flow index (210°C, 2,16 kg)	ISO 1133-2	g/10'	80
MECHANICAL			
Tensile strain at yield (v=50mm/min)	ISO 527-1-2	%	2,5
Tensile stress at yield (v=50mm/min)	ISO 527-1-2	Mpa	48
Flexural modulus (v=5mm/min)	ISO 178	Mpa	3800
Flexural strenght	ISO 178	Mpa	83
Izod notched impact strenght (23°C)	ISO 180 1-A	Kj/m ²	2
DIMENSIONAL			
1,75 diameter tolerance		mm	+/-0,05
2,85 diameter tolerance		mm	+/-0,1
Roundness		%	> 97%
Net weight tolerance		%	+/-2%
THERMAL			
Melting point	ISO 11357	°C	160-170

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