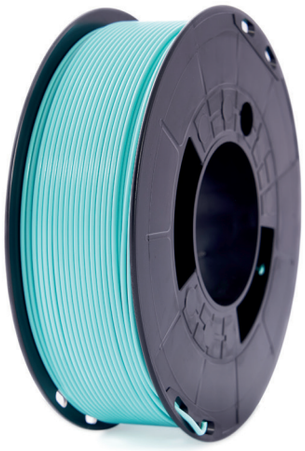
PLA - HD

DATA SHEET



HIGH DEFINITION - Definition, surface finish and resistance.

Biodegradable filament and suitable for all 3D printers. It is very easy to print as it has no shrinkage so you can make really big pieces. With our PLA filament you can achieve a fantastic finish and vivid colors in all your pieces. Excellent adherence to bed between capable.

PHYSICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
DENSITY	1,24	g/cm³	
FLOW RATE (210°C /2.16KG)	8	g/10 min	ISO 1133-A
FLOW RATE (190°C /2.16KG)	3	g/10 min	ISO 1133-A
STEREOCHEMICAL PURITY (CORBION METHOD)	96	(% L-isomero)	
RESIDUAL MONOMER (CORBION METHOD)	0.3% (max)		
MOISTURE (COULOMETRIC KAR L-FISHER)	400 (max)	ppm	
MELTING TEMPERATURE	155°	°C Tm (DSC)	
GLASS TRANSITION TEMPERATURE	55 - 60°	°C Tg (DSC)	

MECHANICAL PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
TENSILE MODULUS	3500	MPa	ISO 527-1
TENSILE STRENGTH	45	MPa	ISO 527-1
STRAIN AT YIELD	5% (max)		ISO 527-1
CHARPY NOTCHED IMPACT, 23°C	≤5	kJ/m²	ISO 179-1eA

PRINTING PROPERTIES	AVERAGE VALUES	UNITS	STANDARDS
NOZZLE TEMPERATURE	190 - 230	°C	
HOT BED TEMPERATURE	50 - 70	°C	
COOLING FAN	ON (100)	%	

SPOOL SIZE	DIAMETER	ON REQUEST	COLOR	PACKAGING
300g	1,75mm		Various	Carboard box, vacuum and silica
1Kg	1,75 - 2,85 mm		Various	Carboard box, vacuum and silica
3Kg	1,75 - 2,85 mm	Yes	Various	Carboard box, vacuum and silica
5Kg	1,75 - 2,85 mm	Yes	Various	Carboard box, vacuum and silica
8Kg	1,75 - 2,85 mm	Yes	Various	Carboard box, vacuum and silica

* The indicated parameters are valid for correctly calibrated printers (PID, mechanical and fuser).
* Supervised and tested manufacturing process (diameter, color and winding) to guarantee the quality of our product.